HCUGI64 9198 746608 AC010614 41551 1-417 14736-1503 16555-16599 17012-1712 1712-1712 17136-1503 16555-16599 17012-1712 17136-1503 16555-16599 17012-1712 17136-1503 16555-16599 17012-1712 17136-1503 16555-16599 17012-1712 17136-1503 16555-16599 17012-1712 17136-1503 1-166 17206-1504 17
HCUGI64 9198 746608 AC010614 41551 1-4736052 1-46608 AC010614 41551 1-47460664 9198 746608 AC010614 41551 1-44460666 AC010614 41553 1-166666 AC0106158 41555 1-176666 AC010858 41555 1-176666 AC010858 41555 1-176666 AC010858 41555 AC010818 AC0106179 AC010818 AC01
HCUGI64 9198 746608 AC010614 41551 1-441
HCUGI64 9198 746608 AC010614 41551 1-441 HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC018791 41554 1-161 HCUGI64 9198 746608 AC018891 41554 1-161 HCUGH79 9199 775206 AC010858 41555 1-174 HCUGH79 9199 775206 AC010858 41555 1-174 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 1065-1564 4155-4238 41560 1-682 4154-2838 41560 1-432 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41563 1-548 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC008080 41564 1-548 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-8
HCUGI64 9198 746608 AC010614 41551 1-444 HCUGI64 9198 746608 AC018791 41552 1-444 HCUGI64 9198 746608 AC018791 41552 1-444 HCUGI64 9198 746608 AC010614 41553 1-166 HCUGI64 9198 746608 AC018791 41554 1-166 HCUGH79 9199 775206 AC010858 41555 1-172 HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC048348 41557 1-454 HCUGH79 9199 775206 AC048348 41557 1-454 HCUGH79 9199 775206 AC048348 41559 1-415 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH652 9201 726052 AP000822 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41565 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 736052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGH30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGI64 9198 746608 AC010614 41551 1-441 HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC010614 41553 1-161 HCUGI64 9198 746608 AC018791 41554 1-163 HCUGH79 9199 775206 AC01858 41555 1-177 HCUGH79 9199 775206 AC048348 41555 1-173 HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC048348 41557 1-452 HCUGH79 9199 775206 AC048348 41557 1-452 HCUGH79 9199 775206 AC048348 41558 1-453 HCUGH79 9199 775206 AC048348 41559 1-415 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-683 HCUGH64 9200 746600 AC012488 41560 1-683 HCUGH64 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC08102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 HCUGC25 9205
HCUGI64 9198 746608 AC010614 41551 1-441 HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC018791 41553 1-165 HCUGI64 9198 746608 AC018791 41554 1-165 HCUGH79 9199 775206 AC01858 41555 1-174 HCUGH79 9199 775206 AC01858 41555 1-174 HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC048348 41557 1-454 HCUGH79 9199 775206 AC048348 41557 1-454 HCUGH79 9199 775206 AC048348 41558 1-452 HCUGH79 9199 775206 AC048348 41559 1-4119 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGI64 9198 746608 AC018791 41552 1-441 HCUGI64 9198 746608 AC010614 41553 1-161 HCUGI64 9198 746608 AC018791 41554 1-161 HCUGH79 9199 775206 AC010858 41555 1-172
HCUGI64 9198 746608 AC010614 41553 1-168 HCUGI64 9198 746608 AC018791 41554 1-168 HCUGH79 9199 775206 AC010858 41555 1-172 HCUGH79 9199 775206 AC048348 41555 3070-3184 HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC010858 41557 1-452 HCUGH79 9199 775206 AC048348 41558 1-452 HCUGH79 9199 775206 AC048348 41558 1-452 HCUGH79 9199 775206 AC048348 41558 1-452 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 AC012488 41560 1-682 AC012488 41560 1-682 AC012488 41561 1-432 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH30 9204 850041 AC006375 41570 1-506 HCUGC25 9205 464029 AC024558 41572 1-469 HCUGC25 9205 464029 AC0245
HCUGH79
HCUGH79 9199 775206 AC010858 41555 1-176 652-1574 2173-2521 3070-3184 HCUGH79 9199 775206 AC010858 41557 1-452 HCUGH79 9199 775206 AC010858 41557 1-452 HCUGH79 9199 775206 AC010858 41557 1-452 HCUGH79 9199 775206 AC010858 41558 1-453 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH79 9200 746600 AC010858 41559 1-415 1-682 1065-1564 2415-2887 3929-4065 4155-4238 4595-6153 6193-6499 HCUGH64 9200 746600 AC012488 41560 1-682 1065-1564 15-4238 4595-6153 6193-6499 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC088102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGH30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC010858 41557 1-456 HCUGH79 9199 775206 AC010858 41557 1-456 HCUGH79 9199 775206 AC010858 41557 1-456 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 4155-4238 42415-2887 3929-4065 4155-4238 4595-6153 6193-6499 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC010858 41558 1-453 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH652 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41569 1-153 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGH30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 HCUGC25
HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC010858 41557 1-452 HCUGH79 9199 775206 AC048348 41558 1-453 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH79 9199 775206 AC048348 41556 1-921 HCUGH79 9199 775206 AC010858 41557 1-454 HCUGH79 9199 775206 AC048348 41558 1-453 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1065-1564 HCUGH64 9200 746600 AC012488 41560 1065-1564 AC012488 41560 1065-1564 AC012488 41560 1065-1564 AC012488 41560 1065-1564 AC012488 41561 1-632 AC012488 41561 1-432 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 HCUGC25
HCUGH79 9199 775206 AC010858 41557 1-4564 HCUGH79 9199 775206 AC048348 41558 1-4534 HCUGH79 9199 775206 AC010858 41559 1-4154 HCUGH64 9200 746600 AC012488 41560 1-682 HCUGH64 9200 746600 AC012488 41560 1-682 AC012488 41560 1-682 AC012488 41560 1-682 AC012488 41561 1-432 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 HCUGC25 9205 464029 AC024
HCUGH79 9199 775206 AC048348 41558 1-453 HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 1065-1564 2415-2887 3929-4065 4155-4238 4595-6153 6193-6499 1-415 1-432 1-547 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 AC024558 AC024558 41572 1-469 AC024558 AC024558 41572 1-469 AC024558 AC024558 AC024558 AC024558 AC024558
HCUGH79 9199 775206 AC010858 41559 1-415 HCUGH64 9200 746600 AC012488 41560 1-682 1065-1564 2415-2887 3929-4065 4155-4238 4595-6153 6193-6499 1-415 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469 AC024558 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41560 1-682 415-2887 3929-4065 4155-4238 4595-6153 6193-6499 HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
Cughes C
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AC069080 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH64 9200 746600 AC012488 41561 1-432 HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AP000822 41562 1-547 HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AC008102 41563 1-548 HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AC069080 41564 1-548 HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AP000822 41565 1-87 HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AC069080 41566 1-105 HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH52 9201 726052 AC069080 41567 1-87 HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH42 9203 713782 AC073979 41568 1-859 HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGH42 9203 713782 AC073979 41569 1-153 HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGD30 9204 850041 AC006375 41570 1-506 HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGD30 9204 850041 AC006375 41571 1-424 HCUGC25 9205 464029 AC024558 41572 1-469
HCUGC25 9205 464029 AC024558 41572 1-469
TYCYTCCOC
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1536-2276
2531-2999
HCUGC25 9205 464029 AC024558 41574 1-736
HCUGC25 9205 464029 AC024558 41575 1-425
HCUGC25 9205 464029 AC068818 41576 1-425
HCUGB93 9206 850043 AC012307 41577 1-145
502-876
3975-4260
4283-4886
5427-5515
6634-7186
8425-8562
9423-9563
11012-11177
11704-11883
11895-15462
16642-16745

					16070 17406
					16979-17496
		j			17910-18196
			(0)		18991-19724
HCUGB93	9206	850043	A C004020	41.570	19756-20835
HCOGB93	9200	830043	AC004020	41578	1-145
					502-876
			-		3977-4262
	1				4285-4888
					5429-5517
					6636-7189
				1	8428-8565
					9426-9566
					11015-11180
					11707-11886
					11898-15466
	}				16983-17500
					17913-18199
1	Ì	İ		1	18994-19727
					19759-20838
J	J		J		23248-24460
					24714-25806
HCUGB93	9206	850043	AC012307	41579	1-1863
]					1871-1999
					2101-4195
					4252-4364
		1			4501-6111
					6255-6345
					6383-6556
					6710-6859
					7047-7325
					7529-8047
HCUGB93	9206	850043	AC004020	41580	1-1672
					2401-4011
					4155-4245
					4283-4456
					4610-4759
}		1			4947-5225
					5429-5947
HCUGB93	9206	850043	AC004020	41581	1-270
					1814-2000
HCUGB14	9211	854035	AC026334	41582	1-359
HCUFW11	9213	850054	AL359235	41583	1-594
HCUFW11	9213	850054	AL359235	41584	1-195
HCUFW09	9214	625658	AC005071	41585	1-204
HCUFW09	9214	625658	AC004166	41586	1-112
	,	025050	71000+100	71360	220-373
					496-699
HCUFW09	9214	625658	AC005071	41587	
HCUFW09	9214	625658	AC003071 AC004166	41588	1-603
HCUFW09	9214	625658			1-572
HCUFT37	9214		AC004166	41589	1-119
HCUFT37		706467	AC008375	41590	1-611
	9215	706467	AC008733	41591	1-608
HCUFT37	9215	706467	AC008375	41592	1-132
HCUFT37	9215	706467	AC008733	41593	1-132
HCUFQ08	9216	959567	AC076962	41594	1-607
HCUFQ08	9216	959567	AC076962	41595	1-308
HCUFO96	9218	796434	AC021652	41596	1-379

HCUFO96	9218	796434	AC063920	41597	1-378
HCUFO96	9218	796434	AC022194	41598	1-379
HCUFO96	9218	796434	AC021652	41599	1-5732
}				11000	6873-6965
					7172-7838
HCUFO96	9218	796434	AC063920	41600	1-5732
			110000520	11000	6510-6821
					6871-6963
HCUFO96	9218	796434	AC022194	41601	1-5732
				12001	6873-6965
					7172-7838
HCUFO93	9219	792376	AC012057	41602	1-470
HCUFO93	9219	792376	AC012057	41603	1-138
HCUFO93	9219	792376	AC012057	41604	1-65
		1	110012037	11004	1336-1440
HCUFO68	9220	753083	AC027414	41605	1-270
HCUFO68	9220	753083	AC022795	41606	
HCUFO68	9220	753083	AL353577	41607	1-300
HCUFO68	9220	753083	AL353377 AL157775	41607	1-279
HCUFO68	9220	753083	AC027473	41609	1-280
HCUFO68	9220	753083	AC069217	41610	1-227
HCUFO68	9220	753083	AL024508		1-243
22002 000	7220	755085	ALU24308	41611	1-49
					952-1091
					2824-2931
]		5098-5525
	Ì				7846-7976
					8038-8124
			}		8830-9004
	}			}	10038-10542 10841-10924
					11067-11628
					11925-12395
					1
					13587-14022 22411-22724
					22758-23047
					23305-23679
					25698-26482
					27522-27788
					29256-29743
					30550-30973
			-		34300-34961
					35617-36572
	1	1		1	36821-37358
					38402-38737
					38763-39510
	1			1	39540-39892
					40168-40279
]				40791-41198
					41770-41945
					46334-46579
					49544-49872
					50565-50838
					50874-51352
					51593-51707
					52562-52677
				1	53084-53414
		1			54823-55298

1					55333-55411
					55814-57296
HCUFO43	9221	715337	AP001281	41612	1-314
HCUFO43	9221	715337	AL353659	41613	1-202
HCUFO43	9221	715337	AC012118	41614	1-292
HCUFO43	9221	715337	AC019275	41615	1-290
HCUFO43	9221	715337	AC009859	41616	1-235
HCUFO43	9221	715337	AC025829	41617	1-288
HCUFO43	9221	715337	AC023924	41618	1-250
HCUFO43	9221	715337	AC012233	41619	1-353
HCUFO43	9221	715337	AC068213	41620	1-254
HCUFO24	9223	677273	AC011342	41621	1-456
HCUFO24	9223	677273	AC011342	41622	1-537
				11022	559-667
					1082-1179
					1533-1986
					2878-3137
					3668-4125
HCUFO11	9224	967156	AC037487	41623	1-439
HCUFO11	9224	967156	AC005332	41624	1-442
HCUFO11	9224	967156	AC005332	41625	1-212
HCUFO11	9224	967156	AC005332	41626	1-195
HCUFL40	9227	711242	AL137852	41627	1-581
HCUFL40	9227	711242	AL137852	41628	1-397
HCUFL40	9227	711242	AL137852	41629	1-260
HCUFK35	9228	706460	AL078605	41630	1-1068
HCUFK35	9228	706460	AL078605	41631	1-574
HCUFK09	9229	961145	AC068785	41632	1-469
HCUFK09	9229	961145	AC006276	41633	1-469
HCUFK09	9229	961145	AC068785	41634	1-186
				.105	194-795
					2432-4037
HCUFK09	9229	961145	AC006276	41635	1-1284
					2726-2927
HCUFK09	9229	961145	AC006276	41636	1-186
					194-795
					2432-4037
HCUFJ08	9230	850074	AL160403	41637	1-223
HCUFJ08	9230	850074	AL160403	41638	1-604
HCUFF74	9232	765662	AC068795	41639	1-366
					543-937
HCUFF74	9232	765662	AC022510	41640	1-366
					543-937
HCUFF74	9232	765662	AC025262	41641	1-366
					543-937
HCUFF74	9232	765662	AC022510	41642	1-115
HCUFF74	9232	765662	AC025262	41643	1-115
HCUFE55	9233	731843	AL031297	41644	1-131
					679-912
					1349-1654
					5029-5252
					9376-9493
					9736-10204
					10953-11302
					11525-12122
					16952-17243

		İ			20848-21153
					21457-22062
		-			25001-25396
					26949-27023
					28082-28430
					29411-29548
					29680-30123
					30797-30981
					31120-31308
					31959-32425
					34705-34876
					35061-35527
1					37354-37502
					37933-38190
}				1	38381-39650
					39839-41256 41488-41511
	1	1		1	41519-41916
					41983-42104
					42275-42855
				1	43391-43461
				J	43574-43656
					43857-44292
					44317-44421
					46115-46231
					47800-48512
		}			48841-49208
					50149-50247
	1				51377-51502
					52685-52984
					53118-53307
					56807-56996
1	,				61413-61503
					63173-63224
1				1	63579-63659
					64464-64659
					66082-66208
	1		1	1	66720-66871
					67311-67472
1	ľ		[1	70450-70513
					71257-71408 72162-72215
HCUFE55	9233	731843	AL031297	41645	1-648
HCUFE54	9234	730745	AC027124	41646	1-815
HCUFE54	9234	730745	AC022842	41647	1-854
HCUFE54	9234	730745	AC022842	41648	1-304
HCUFE54	9234	730745	AC027124	41649	1-304
HCUFD70	9235	757280	AC007734	41650	1-2855
HCUFD70	9235	757280	AP001077	41651	1-2841
HCUFD70	9235	757280	AC007734	41652	1-758
HCUFD70	9235	757280	AP001077	41653	1-758
HCUFD70	9235	757280	AC007734	41654	1-625
HCUFD70	9235	757280	AP001077	41655	1-625
HCUEQ12	9237	922556	AL031847	41656	1-1841
HCUEO74	9239	576576	AC073219	41657	1-1841
HCUEO74	9239	576576	AC023864	41658	1-123
HCUEO74	9239	576576	AC010882	41659	1-142
			1.0010302	1.2007	1-133

HCUEO74	9239	576576	AL136171	41660	1-61
HCUEO74	9239	576576	AC023315	41661	1-108
HCUEO74	9239	576576	AC068682	41662	1-153
HCUEO74	9239	576576	AC026556	41663	1-133
HCUEO74	9239	576576	AC020330 AC011101	41664	1-114
HCUEO74	9239	576576	AC027584	41665	
HCUEO74	9239	576576	AC031987	41666	1-162
HCUEO74	9239	576576	AL365209	41667	1-125
HCUEO74	9239	576576	AC073367	41668	1-109
HCUEO74	9239	576576	AC008470	41669	1-108
HCUEO74	9239	576576	AC055805	41670	1-129
HCUEO74	9239	576576	AC027264	41671	1-143
HCUEO74	9239	576576	AL161613	41672	1-147
HCUEO74	9239	576576	AC073446	41673	1-63
HCUEO74	9239	576576	AL162741	41674	1-140
HCUEO74	9239	576576	AC025975		1-45
HCUEO74	9239	576576	AC004170	41675	1-136
HCUEO74	9239	576576		41676	1-90
HCUEO74	9239	576576	AF287957 AL161613	41677	1-122
HCUEO74	9239	576576		41678	1-129
			AC073446	41679	1-52 2626-2925
HCUEO74	9239	576576	AC023864	41680	1-1485
					1590-4704
HCUEO74	9239	576576	AC027584	41681	1-368
HCUEO74	9239	576576	AL162741	41682	1-102
HCUEO74	9239	576576	AC004170	41683	1-498
					742-1013
					1596-1878
1					2017-2131
					<u>25</u> 50-3098
HCUEO74	9239	576576	AF287957	41684	1-1090
HCUEO20	9240	669764	AC024339	41685	1-559
HCUEO20	9240	669764	AL355339	41686	1-559
HCUEO20	9240	669764	AL360230	41687	1-559
HCUEM93	9241	792424	AC012036	41688	1-597
HCUEM93	9241	792424	AC012036	41689	1-671
HCUEM93	9241	792424	AC012036	41690	1-503
HCUEL07	9244	953587	AC011004	41691	1-549
HCUEG27	9245	683541	AC025006	41692	1-709
HCUEG27	9245	683541	AC025006	41693	1-817
HCUEG27	9245	683541	AC025006	41694	1-349
HCUDY74	9248	839955	AC007871	41695	1-506
HCUDY74	9248	839955	AC007871	41696	1-470
HCUDU18	9250	850099	AC025744	41697	1-279
HCUDU18	9250	850099	AC025744	41698	1-842
HCUDU18	9250	850099	AC025744	41699	1-2090
l		Ì	1		2166-3798
					3918-4165
					4472-5175
					5246-5397
					5984-6091
					6165-6252
		1			6432-7007
	1				7092-7159
					7243-7380
					7863-7972

					8427-9018
1	1	}	1		9773-9843
					10030-10339
					11078-12030
HCUDQ45	9252	881366	AC008985	41700	1-991
					1341-1665
					1883-1983
	1				2587-2743
HCUDQ45	9252	881366	AC008985	41701	1-202
HCUDQ45	9252	881366	AC008985	41702	1-507
HCUDN89	9253	811185	AP002437	41703	1-466
					670-1788
1	·]				1900-1992
					2076-2165
					2278-2396
					2944-3006
					3144-3223
				į	3325-3434
					3527-3643
					3723-4357
HCUDN89	9253	811185	AC005849	41704	1-139
			0.		496-538
					635-758
					1040-1112
			1		2567-3032
•					3236-4354
					4466-4558
					4638-4752
					4844-4962
					5510-5572
	ľ				5710-5789
					5891-6000
					6093-6209
HCUDN89	9253	811185	AP002437	41705	6289-6923
HCUDN89	9253	811185	AC005849	41706	1-856
	1223	011103	110005047	11700	2667-3032
HCUDN71	9255	862116	AC013270	41707	1-1044
HCUDN71	9255	862116	AC013270	41708	1-343
HCUDK08	9256	959679	AC025489	41709	1-721
HCUDK08	9256	959679	AC025706	41710	1-720
HCUDK08	9256	959679	AL357150	41711	1-720
HCUDK08	9256	959679	AC025706	41712	1-343
HCUDK08	9256	959679	AL357150	41713	1-343
HCUDG26	9258	681985	AL157828	41714	1-434
HCUDG26	9258	681985	AC009450	41715	1-434
HCUDG26	9258	681985	AC009919	41716	1-433
HCUDG26	9258	681985	AL157882	41717	1-434
HCUDG26	9258	681985	AC009919	41718	1-325
HCUDG26	9258	681985	AL157882	41719	1-325
HCUDD07	9259	953588	AC009475	41720	1-366
HCUDD07	9259	953588	AC009475	41721	1-433
HCUDD07	9259	953588	AC009475	41722	1-116
HCUCJ14	9261	659221	AC005096	41723	1-1132
HCUCJ14	9261				
HCUCJ14	9261				1-125
HCUCJ14	9261	659221 659221	AC005096 AC005096	41724 41725	1-345

HCUCI23	9262	676276	AL353632	41726	1-441
HCUCI23	9262	676276	AL353601	41727	1-441
HCUCI23 .	9262	676276	AC053492	41728	1-441
HCUCI23	9262	676276	AC053492	41729	1-388
HCUCG40	9264	800153	AC055729	41730	1-156
HCUCG40	9264	800153	AC055729	41731	1-325
HCUCG40	9264	800153	AC055729	41732	1-408
HCUCG07	9265	953823	AP001615	41733	1-295
HCUCG07	9265	953823	AP001614	41734	1-295
HCUCD83	9266	781346	AC027011	41735	1-42
		702510	110027011	17755	64-126
			ſ		851-937
			1		2029-2669
HCUCD83	9266	781346	AP001153	41736	1-119
			1 - 331100	11750	844-930
					2022-2662
HCUCD83	9266	781346	AP002787	41737	1-119
Ì	- 1		1	11757	844-930
					2022-2662
HCUCD83	9266	781346	AC027011	41738	1-366
HCUCD83	9266	781346	AP001153	41739	1-366
HCUCD83	9266	781346	AP002787	41740	1-366
HCUCD05	9267	932333	AL133410	41741	1-619
HCUCD05	9267	932333	AL133410	41742	1-272
HCUCD05	9267	932333	AL133410	41743	1-417
HCUBX45	9268	850122	AL139330	41744	1-70
		050122	1111111111111	71/44	302-414
					971-1087
					1452-1568
	1				1884-2068
				}	2234-2332
					4394-4616
					4721-4796
					6715-6886
					. 7287-7462
	Į				9124-9529
					10146-10280
					11951-12063
					12629-14033
					14329-15062
					15274-15484
					15623-15918
	}				16216-16396
					16622-16727
					17165-17695
	}			}	18266-18434
					18908-22465
HCUBX45	9268	850122	AL135907	41745	1-532
HCUBX45	9268	850122	AL135907	41746	1-169
HCUBX45	9268	850122	AL135907	41747	1-106
HCUBV91	9269	790368	AC073637	41748	1-100
HCUBV91	9269	790368	AC002433	41749	1-443
HCUBT35	9270	850126	AP001139	41750	1-1144
		320120	111 001137	71/50	1264-1760
HCUBT35	9270	850126	AC055755	41751	1-1144
		550120	11.0000,00	12/21	1264-1760
					1204-1700

					2024-2373
					2540-2625
HCUBT35	9270	850126	AP000645	41752	1-1144
TYCHTON			_		1264-1761
HCUBT35	9270	850126	AC055755	41753	1-184
HCUBT35	9270	850126	AP000645	41754	1-184
HCUBT35	9270	850126	AP001139	41755	1-184
HCUBS07	9271	953861	AL355345	41756	1-392
HCUBS07	9271	953861	AL033518	41757	1-392
HCUBS07	9271	953861	AL355345	41758	1-597
HCUBS07	9271	953861	AL355345	41759	1-393
HCUBS07	9271	953861	AL033518	41760	1-597
HCUBS07	9271	953861	AL033518	41761	1-393
HCUBP48	9274	577289	AL022171	41762	1-412
HCUBP48	9274	577289	AL022171	41763	1-273
HCUBP48	9274	577289	AL022171	41764	1-386
HCUBP34	9275	576462	AC025503	41765	1-133
HCUBP34	9275	576462	AC019339	41766	1-133
HCUBP34	9275	576462	AC019339	41767	1-484
HCUBO67	9277	526489	AC018510	41768	1-273
HCUBO67	9277	526489	AC021320	41769	1-273
HCUBO67	9277	526489	AC018510	41770	1-222
HCUBO67	9277	526489	AC018510	41771	1-138
HCUBO67	9277	526489	AC021320	41772	1-138
HCUBM73	9278	577294	AL158827	41773	1-220
HCHD) (72	0070				520-1189
HCUBM73	9278	577294	AL160055	41774	1-222
HCUBM73	9278	577294	A C000405	41555	481-1567
IICODM/3	92/8	377294	AC009485	41775	1-220
HCUBM73	9278	577294	AL158827	41776	520-1189
HCUBM73	9278	577294	AL160055	41776	1-398
HCUBM73	9278	577294	AL158827	41777	1-86
HCUBM73	9278	577294	AL160055	41778	1-125
HCUBM73	9278	577294	AC009485	41779	1-398
HCUBM73	9278	577294	AC009485	41780	1-398
HCUBM49	9279	722190	AC074381	41781	1-125
HCUBM49	9279	722190	AC074381 AC007224	41783	1-999
HCUBM49	9279	722190	AC077224 AC074381	41784	1-999
HCUBM49	9279	722190	AC007224	41785	1-352
HCUBG69	9282	757752	AC000005	41786	1-352
HCUBG69	9282	757752	AC000005	41787	1-115
HCUBG69	9282	757752	AC000005	41788	1-492
HCUBG43	9283	576468	AC023470	41789	1-283
HCUBG43	9283	576468	AC023470 AC024721	41790	1-377
HCUBG43	9283	576468	AC005264	41791	1-377
HCUBG43	9283	576468	AC023470	41792	1-377
HCUBG43	9283	576468	AC023470 AC024721	41793	1-103
HCUBE49	9285	723175	AC024721 AC021755	41794	1-103
HCUBE49	9285	723175	AC021733 AC025429	41795	1-243
HCUBE49	9285	723175	AC023429 AC022827	41796	1-243
HCUBE49	9285	723175	AC022827 AC021755	41796	1-243
HCUBE49	9285	723175	AC021733	41798	1-331
HCUBE49	9285	723175	AC022827 AC025429	41799	1-331
HCUBB68	9287	752247	AP001388	41800	1-331 1-840

HCUBB68	9287	752247	AC015669	41801	1-840
HCUBB68	9287	752247	AC015669	41802	1-313
HCUBA93	9288	792515	AC025469	41803	1-909
					975-1500
HCUBA93	9288	792515	AC025469	41804	1-193
					320-414
HCUBA93	9288	792515	AC025469	41805	1-402
HCUAZ01	9289	917266	AC024073	41806	1-283
HCUAZ01	9289	917266	AC024073	41807	1-319
HCUAW03	9290	924897	AC008666	41808	1-767
HCUAW03	9290	924897	AC008641	41809	1-430
HCUAW03	9290	924897	AC008707	41810	1-430
HCUAW03	9290	924897	AC008666	41811	1-296
HCUAW03	9290	924897	AC008666	41812	1-677
					1113-1549
}					3164-3945
					4021-4166
					4928-5523
HCUAW03	9290	924897	AC008641	41813	1-296
HCUAW03	9290	924897	AC008641	41814	1-677
		}			1113-1549
					3480-3944
					4020-4165
TICITATION	0000				4927-5522
HCUAW03	9290	924897	AC008707	41815	1-296
HCUAW03	9290	924897	AC008707	41816	1-677
				1	1113-1549
					3480-3944
					4020-4165
HCUAP34	9291	706426	AT 252716	44045	4927-5522
IICUAF 34	9291	706426	AL353716	41817	1-589
HCUAP34	9291	706426	AL353716	41010	685-908
HCUAN95	9292	796010	AC026334	41818	1-296
110071173	7272	790010	AC020334	41819	1-572
HCUAN95	9292	796010	AC019249	41820	866-1959
110011175	1272	790010	AC019249	41820	1-572
HCUAN95	9292	796010	AC026334	41821	866-1959 1-478
HCUAN95	9292	796010	AC020334 AC019249	41822	
HCUAL33	9296	702677	AC019249 AC027143	41823	1-478
12001223	1220	702077	AC02/145	41023	1-96
					228-1075 1229-1350
					1862-2254
					4843-5004
					5033-5301
					5517-5732
					6982-7387
					8068-8350
HCUAL33	9296	702677	AC009830	41824	1-59
			11000000	1102.	239-1038
HCUAL33	9296	702677	AL162427	41825	1-96
				1.1323	228-1075
	1				1305-1420
					1862-2254
				1	4172-4647
					4843-5004
		1			5033-5301

:					5517-5732 6982-7387
					8068-8350
HCUAL33	9296	702677	AL137067	41826	1-96
	7270	702077	AL13/00/	41020	228-1075
ł				}	1862-2254
					4172-4647
					4843-5004
ļ				l l	5033-5301
					5517-5732
					8068-8350
HCUAL33	9296	702677	AC027143	41827	1-2457
	1				2671-2973
					3029-3395
********					4478-5527
HCUAL33	9296	702677	AC009830	41828	1-122
HCUAL33	9296	702677	AC009830	41829	1-2457
					2671-2975
	Ì				3031-3397
HCUAL33	0206	700677	17.162.127		4480-5529
I TCUAL33	9296	702677	AL162427	41830	1-2457
	1				2671-2973
					3029-3395
HCUAL33	9296	702677	AT 127077	41021	4478-5527
IICOALSS	9290	/026//	AL137067	41831	1-2457
					2671-2973
					3029-3395
HCUAG10	9297	968229	AC023329	41832	4478-5527
HCUAG10	9297	968229	AC025329 AC005781	41833	1-1815
HCUAG10	9297	968229	AC023329	41834	1-1762
HCUAG10	9297	968229	AC005781	41835	1-130 1-497
HCUAG10	9297	968229	AC023329	41836	1-594
HCUAG10	9297	968229	AC005781	41837	1-130
HCUAF80	9298	862171	AC025287	41838	1-130
HCUAF80	9298	862171	AC011934	41839	1-271
HCUAF80	9298	862171	AC025287	41840	1-153
HCUAF80	9298	862171	AC011934	41841	1-92
			110011951	11011	448-924
					975-1831
	1		}		2255-3125
					4256-4623
	}				.4692-4860
				}	4956-5133
					5294-5384
					6027-6127
			1	}	6982-7140
	1				7833-7981
TYCYTA TOO	0000				8551-8865
HCUAF80	9298	862171	AC011934	41842	1-153
HCUAF01	9299	850153	AC007610	41843	1-402
HCUAF01	9299	850153	AC007597	41844	1-402
HCUAF01	9299	850153	AC007610	41845	1-304
HCUAF01	9299	850153	AC007610	41846	1-236
HCUAF01	9299	850153	AC007597	41847	1-236
HCUAF01	9299	850153	AC007597	41848	1-304
HCFOO25	9302	678200	AC027606	41849	1-632

	· 				
		}			1059-1917
					2225-2330
	}				2605-3919
					4207-4633
					4704-5059
,	Ì				5613-5968 6999-7333
					7591-7886
HCFOO25	9302	678200	AC068008	41850	1-567
		1	11000000	11050	1085-1512
·					2549-2597
					2599-2828
1				1	3519-3736
		·			5661-6292
					6719-7577
					7886-7991
					8266-9581
HCFOO25	9302	678200	AL359762	41851	1-555
HCFOO25	9302	678200	AC068008	41852	1-404
HCFOO25	9302	678200	AL359762	41853	1-218
HCFOO01	9303	916687	AC073217	41854	1-799
HCFOO01	9303	916687	AC073217	41855	1-664
HCFON45	9304	850372	AL365228	41856	1-115
}					527-629
					741-1140
					2622-3583
					3991-4229
HCFON45	0204	050270	17.1.00201	'	4991-5948
HCFON45	9304	850372	AL160291	41857	1-961
HCFON45	9304	850372 850372	AL160291	41858	1-105
HCFOF34	9305	955905	AL365228	41859	1-530
HCFOF34	9305	955905	AL353795	41860	1-1476
11010134	9303	933903	AC004472	41861	1-511
					725-1358
					1371-2631 2712-3213
	1				4100-4503
					4587-4770
					4808-5212
					5835-6000
					6587-6723
1		1		1	7277-7601
					8372-8506
					9066-9684
					10294-10443
					10505-10671
					10981-11097
					11489-11657
					11712-11975
					12060-12370
					12847-13177
					13448-13606
					14394-14908
HCFOF34	9305	055005	A C004470	41000	15130-16605
LICEOF34	9303	955905	AC004472	41862	1-1171
					1583-2215
<u> </u>					2318-2866

HCFNQ62 9306 745755 AL161911 41863 1-2195						
HCFNQ62 9306 745755 AL161911 41863 1-295	Ì					2918-3060
HCFNQ62 9306 745755 AL161911 41863 1-2109 HCFNQ62 9306 745755 AL354792 41864 1-2466 HCFNQ62 9306 745755 AL354792 41864 1-2466 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ63 9309 745148 AC022484 41868 1-766 HCFNG63 9309 745148 AC022494 41869 1-153 HCFNG63 9309 745148 AC022494 41869 1-153 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357569 41873 1-163 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG60 9309 745148 AC024315 41876 1-230 HCFNG61 9310 848225 AL160396 41877 1-389 HCFNG61 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9311 625697 AC007537 41880 1-455 HCFNA77 9312 874777 AC068117 41883 1-576 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL3553066 41889 1-183 HCFNA64 9313 850391 AL355306 41889 1-183 HCFNA64 9314 671021 AL2525333 41890 1-184 HCFNA62 9314 671021 AL2525333 41890 1-184 HCF			j		j	
HCFNQ62 9306 745755 AL161911 41863 1-2205-6438 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 5056-6488 HCFNQ62 9306 745755 AL354792 41864 1-2463 HCFNQ62 9306 745755 AL354792 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41867 1-532 HCFNQ63 9309 745148 AC012286 41868 1-768 HCFNG63 9309 745148 AC022434 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357569 41872 1-137 HCFNG63 9309 745148 AL36366 41875 1-153 HCFNG63 9309 745148 AL36366 41875 1-153 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG64 9310 848225 AL160396 41879 1-145 HCFNG64 9310 848225 AL160396 41879 1-145 HCFNG64 9313 850391 AL365360 41885 1-560 9321655 HCFNA64 9313 850391 AL365360 41886 1-560 9321655 HCFNA64 9313 850391 AL365360 41886 1-560 9321655 HCFNA64 9313 850391 AL365360 41889 1-183 HCFNA62 9314						1
HCFNQ62 9306 745755 AL161911 41863 1-2195 HCFNQ62 9306 745755 AL354792 41864 1-2462 HCFNQ62 9306 745755 AL354792 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ63 9309 745148 AC022454 41868 1-769 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL35750 41873 1-163 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AC026620 41874 1-155 HCFNG63 9309 745148 AC026620 41874 1-155 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNG09 9311 625697 AC007537 41880 1-856 HCFNG10 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL3553606 41889 1-360 HCFNA64 9313 850391 AL3553606 41889 1-360 HCFNA64 9314 671021 AL2555333 41890 1-355 H	İ			ļ		•
HCFNQ62 9306 745755 AL161911 41863 1-2195 HCFNQ62 9306 745755 AL354792 41864 1-2465 HCFNQ62 9306 745755 AL354792 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357568 41870 1-154 HCFNG63 9309 745148 AL357568 41873 1-1220 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AL1367693 41873 1-163 HCFNG63 9309 745148 AL136366 41873 1-163 HCFNG63 9309 745148 AC02620 41874 1-153 HCFNG63 9309 745148 AC02620 41874 1-153 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-388 HCFNG60 9310 848225 AL160396 41879 1-145 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-560 HCFNB09 9311 625697 AC007537 41881 1-766 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9314 671021 AL253533 41890 1-305 HCFNA64 9314 671021 AL253533 41890 1-305 HCFNA61 9314 671021 AL253533 41890 1-305 HCFNA62 9314 671021 AL253533 41890 1-305 HCFNA61						
HCFNQ62 9306						
HCFNQ62 9306 745755 AL161911 41863 1-2195 HCFNQ62 9306 745755 AL354792 41864 1-2466 HCFNQ62 9306 745755 AL354792 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9307 961149 AC012286 41868 1-560 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL355793 41872 1-137 HCFNG63 9309 745148 AL355793 41872 1-137 HCFNG63 9309 745148 AL355793 41873 1-163 HCFNG63 9309 745148 AL355793 41873 1-163 HCFNG63 9309 745148 AL3666 41873 1-163 HCFNG63 9309 745148 AL3666 41875 1-153 HCFNG63 9309 745148 AC02620 41874 1-152 HCFNG63 9309 745148 AC02620 41874 1-152 HCFNG63 9309 745148 AC02620 41877 1-389 HCFNG63 9309 745148 AC02620 41877 1-389 HCFNG60 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9311 625697 AC007537 41880 1-455 HCFNA77 9312 874777 AC068117 41881 1-573 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL355606 41887 1-183 HCFNA64 9313 850391 AL355606 41889 1-1160 HCFNA64 9313 850391 AL355606 41889 1-1160 HCFNA64 9313 850391 AL355606 41889 1-1161 HCFNA64 9313 850391 AL353606 41889 1-1161 HCFNA64 9314 671021 AL355333 41890 1-305 HCFNA21 9314 671021 AL3553606 41889 1-1161 HCFNA21 9314 671021 AL25232 41892 1-1161 HCFNA21 9314 671021 AL25232 41892 1-1161 HCFNA21						
HCFNQ62			J			
HCFNQ62 9306						1
HCFNQ62 9306 745755 AL354792 41864 1-2462 HCFNQ62 9306 745755 AL161911 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41867 1-532 HCFNQ69 9307 961149 AC012286 41867 1-532 HCFNQ63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357569 41873 1-163 HCFNG63 9309 745148 AL357569 41873 1-163 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AC02620 41874 1-152 HCFNG63 9309 745148 AC02620 41874 1-152 HCFNG63 9309 745148 AC02620 41874 1-152 HCFNG63 9309 745148 AC02620 41875 1-153 HCFNG63 9309 745148 AC02620 41875 1-153 HCFNG63 9309 745148 AC02620 41877 1-389 HCFNG63 9309 745148 AC02620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNA77 9312 874777 AC068117 41881 1-76 3312-7627 41820 1-163 41876 1-220 41876	HCENO62	0306	745755	AT 161011	41060	
HCFNQ62 9306 745755 AL161911 41865 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41867 1-532 HCFNP09 9307 961149 AC012286 41868 1-768 HCFNG63 9309 745148 AC022345 41869 1-153 HCFNG63 9309 745148 AC023303 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL356793 41873 1-163 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41886 1-560 HCFNA64 9313 850391 AL355300 41887 1-183 HCFNA64 9313 850391 AL3553606 41888 1-1060 HCFNA64 9313 850391 AL3553606 41889 1-183 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA61 9314 671021 AL355533 41890 1-305 HCFNA621 9314 671021 AL355532 41892 1-116 HCFNA61 9314 671021 AL355532 41892 1-116 HCFNA621 9314 671021 AL365360 41892 1-116 HCFNA621 9314 671021 AL365360 41892 1-116 H						
HCFNQ62 9306 745755 AL354792 41866 1-174 HCFNQ62 9306 745755 AL354792 41867 1-532 HCFNQ63 9307 961149 AC012286 41868 1-766 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL355768 41871 1-220 HCFNG63 9309 745148 AL355768 41871 1-220 HCFNG63 9309 745148 AL355793 41872 1-137 HCFNG63 9309 745148 AL355793 41872 1-137 HCFNG63 9309 745148 AL355793 41872 1-137 HCFNG63 9309 745148 AL136060 41873 1-163 HCFNG63 9309 745148 AL136060 41874 1-152 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC02620 41877 1-388 HCFNG63 9309 745148 AC02620 41877 1-388 HCFNG63 9309 745148 AC02620 41877 1-388 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 1025-1267 HCFNB09 9311 625697 AC007537 41880 1-455 1025-1267 HCFNB09 9312 874777 AC068117 41883 1-560 4349-5038						
HCFNQ62 9306 745755 AL354792 41867 1-532 HCFNP09 9307 961149 AC012286 41868 1-769 HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL365793 41872 1-137 HCFNG63 9309 745148 AL366793 41873 1-163 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41875 1-153 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-766 HCFNB09 9312 874777 AC068117 41884 1-786 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL355360 41887 1-183 HCFNA64 9313 850391 AL355360 41887 1-183 HCFNA64 9313 850391 AL355606 41889 1-183 HCFNA64 9314 671021 AL162725 41891 1-284 HCFNA64 9314 671021 AL162725 41891 1-284 HCFNA21						· · · · · · · · · · · · · · · · · · ·
HCRNP09 9307 961149 AC012286 41868 1-766 HCRNG63 9309 745148 AC022454 41869 1-153 HCRNG63 9309 745148 AC022330 41870 1-154 HCRNG63 9309 745148 AL357568 41871 1-220 HCRNG63 9309 745148 AL356793 41872 1-137 HCRNG63 9309 745148 AL37250 41873 1-163 HCRNG63 9309 745148 AL137250 41873 1-163 HCRNG63 9309 745148 AL137250 41874 1-152 HCRNG63 9309 745148 AL136366 41875 1-153 HCRNG63 9309 745148 AC026620 41874 1-152 HCRNG63 9309 745148 AC026620 41875 1-133 HCRNG63 9309 745148 AC026620 41877 1-389 HCRNG63 9309 745148 AC026620 41877 1-389 HCRNG63 9309 745148 AC026620 41877 1-389 HCRNG10 9310 848225 AL160396 41878 1-986 HCRNG10 9310 848225 AL160396 41879 1-145 HCRNG10 9310 848225 AL160396 41879 1-145 HCRNG9 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 AC089-6266 7321-7627 HCFNB09 9312 874777 AC068117 41883 1-573 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 HCFNA64 9313 850391 AL353606 41888 1-1860 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AL162725 41892 1-116						
HCFNG63 9309 745148 AC022454 41869 1-153 HCFNG63 9309 745148 AC023030 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AC026620 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG69 9310 848225 AL160396 41879 1-145 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 3894-4156 4349-5038 HCFNB09 9311 625697 AC007537 41881 1-78 HCFNB09 9312 874777 AC068117 41884 1-786 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA61 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL3553606 41889 1-184 HCFNA21 9314 671021 AL3553606 41892 1-116						
HCFNG63 9309 745148 ACO23030 41870 1-154 HCFNG63 9309 745148 AL357568 41871 1-226 HCFNG63 9309 745148 AL357568 41871 1-226 HCFNG63 9309 745148 AL357568 41872 1-137 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 ACO26620 41874 1-152 HCFNG63 9309 745148 ACO26620 41874 1-152 HCFNG63 9309 745148 ACO24620 41875 1-153 HCFNG63 9309 745148 ACO24315 41876 1-220 HCFNG63 9309 745148 ACO24315 41876 1-220 HCFNG63 9309 745148 ACO24620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 ACO07537 41880 1-455 1025-1267 ACO07537 41881 1-76 3394-4156 4349-5038 6089-6266 7321-7627 41881 1-72054 4349-5038 4349-						
HCFNG63 9309 745148 AL357568 41871 1-220 HCFNG63 9309 745148 AL357568 41872 1-137 HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL37250 41873 1-163 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-338 HCFNG63 9309 745148 AC026620 41877 1-338 HCFNG63 9309 745148 AC026620 41877 1-338 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 3184-439-5038 6089-6266 7321-7627 8176-8922 HCFNA77 9312 874777 AC068117 41883 1-573 T22-891 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-186 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41888 1-1060 S747-5671 4187-5046 5347-5671 HCFNA64 9313 850391 AL353506 41889 1-183 HCFNA64 9313 850391 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-224 HCFNA21 9314 671021 AL162725 41891 1-244 HCFNA21 9314 671021 AL162725 41891 1-244 HCFNA21 9314						
HCFNG63 9309 745148 AL356793 41872 1-137 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AL137250 41873 1-163 HCFNG63 9309 745148 AC026620 41874 1-152 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG61 9310 848225 AL160396 41877 1-389 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 3894-4156 4349-5038 6089-6266 7321-7627 HCFNB09 9312 874777 AC068117 41883 1-573 T722-891 1721-2054 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL355533 41890 1-305 HCFNA61 9314 671021 AL355533 41890 1-284 HCFNA21 9314 671021 AL355533 41890 1-284 HCFNA21 9314 671021 AL355533 41890 1-284 HCFNA21 9314 671021 AL365382 41892 1-116 HCFNAC1 9314 671021 AL365382 41892 1-116 HCFNAC1 9314 671021 AL365382 41892 1-116						
HCFNG63						
HCFNG63 9309 745148 AC026620 41874 1-153 HCFNG63 9309 745148 AL136366 41875 1-153 HCFNG63 9309 745148 AL236366 41875 1-153 HCFNG63 9309 745148 AC024620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9310 848225 AL160396 41879 1-145 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 AC08117 41883 1-373 HCFNA77 9312 874777 AC068117 41883 1-373 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA77 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 ACFNA64 9313 850391 AL353606 41888 1-1060 ACFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 ACFNA64 9313 850391 AL353606 41888 1-183 HCFNA64 9313 850391 AL353506 41889 1-183 HCFNA64 9313 850391 AL3535533 41890 1-305 HCFNA64 9314 671021 AL355533 41891 1-284 HCFNA61 9314 671021 AL162725 41891 1-160 HCFNA61 9314 671021 AL162725 41891 1-184 HCFNA61 9314 671021 AL162725 41891 1-160 HCFNA61 9314 671021 AL162725 41891 1-184 HCFNA61 9314 671021 AL162725 41891 1-160 HCFNA61 9314 671021 AC021382 41892 1-116 HCFNA61 9314 671021 AC021382 41892 1-116 HCFNA61 9314 671021 AC02						
HCFNG63						1-163
HCFNG63 9309 745148 AC024315 41876 1-220 HCFNG63 9309 745148 AC026620 41877 1-389 HCFNG10 9310 848225 AL160396 41878 1-986 HCFNG10 9311 625697 AC007537 41880 1-445 HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1-76 3894-4156 4349-5038 6089-6266 7321-7627 HCFNB09 9311 625697 AC007537 41882 1-98 HCFNA77 9312 874777 AC068117 41883 1-573 T22-891 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL353606 41886 1-560 993-1655 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL355533 41890 1-305 HCFNA21 9314 671021 AL355533 41890 1-384 HCFNA21 9314 671021 AL355533 41890 1-284 HCFNA21 9314 671021 AL355533 41890 1-183 HCFNA21 9314 671021 AL355533 41890 1-183 HCFNA21 9314 671021 AL355533 41890 1-183 HCFNA21 9314 671021 AL355533 41890 1-185 HCFNA21 9314 671021 AL355533 41890 1-185 HCFNA21 9314 671021 AL355533 41890 1-185 HCFNA21 9314 671021 AL355533 41890 1-284 HCFNA21 9314 671						1-152
HCFNG63						1-153
HCFNG10						1-220
HCFNB09						1-389
HCFNB09 9311 625697 AC007537 41880 1-455 HCFNB09 9311 625697 AC007537 41881 1.76			<u></u>			1-986
HCFNB09 9311 625697 AC007537 41881 1-76 3894-4156 4349-5038 6089-6266 6089-6266 7321-7627 8176-8922 HCFNB09 9311 625697 AC007537 41882 1-98 HCFNA77 9312 874777 AC068117 41883 1-573 722-891 1721-2054 3412-3716 5986-6569 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL365360 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 487-5046 4889 1-183 HCFNA64 9313 850391 AL355533 41890 1-305 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL36725 41891 1-284 HCFNA21 9314 671021 AL162725 41891 1-284					41879	1-145
HCFNB09 9311 625697 AC007537 41881 1-76 3894-4156 4349-5038 6089-6266 7321-7627 8176-8922 HCFNB09 9311 625697 AC007537 41882 1-98 HCFNA77 9312 874777 AC068117 41883 1-573 722-891 1721-2054 3412-3716 5986-6569 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL365360 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41886 1-1060 1000 1000 1000 1000 1000 1000 1000	HCFNB09	9311	625697	AC007537	41880	1-455
HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL353606 41888 1-1060 HCFNA64 9313 850391 AL353606 41888 1-1060 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL35755 41891 1-284 HCFNA21 9314 671021 AL36725 41891 1-284	HCENTRO	0011				1025-1267
HCFNB09 9311 625697 AC007537 41882 1-984	ncrnb09	9311	625697	AC007537	41881	1-76
HCFNB09 9311 625697 AC007537 41882 1-98						1
HCFNB09 9311 625697 AC007537 41882 1-98						1 1
HCFNB09 9311 625697 AC007537 41882 1-98 HCFNA77 9312 874777 AC068117 41883 1-573 722-891 1721-2054 3412-3716 5986-6569 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL365360 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 4487-5046 3792-4313 4487-5046 4487-5046 44886 1-1060 3792-4313 4487-5046 4487-5046 44886 1-1060 3792-4313 4487-5046 44887 1-1838 1-1060						
HCFNB09 9311 625697 AC007537 41882 1-98 HCFNA77 9312 874777 AC068117 41883 1-573 722-891 1721-2054 3412-3716 5986-6569 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL353606 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 44889 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL3553606 41889 1-183 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL355533 41891 1-284 HCFNA21 93						
HCFNA77 9312 874777 AC068117 41883 1-573 HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 41889 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL3535006 41889 1-183 HCFNA64 9313 850391 AL3535006 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 <td>HCENBOO</td> <td>0311</td> <td>625607</td> <td>A C007527</td> <td>41000</td> <td></td>	HCENBOO	0311	625607	A C007527	41000	
HCFNA77 9312 874777 AC068117 41884 1-786 5986-6569 HCFNA64 9313 850391 AL365360 41885 1-560 993-1655 HCFNA64 9313 850391 AL365360 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 4487						
HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	IIOI IVIII	9312	0/4///	AC068117	41883	((
HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						
HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL365360 41888 1-1060 ACFNA64 9313 850391 AL353606 41888 1-1060 ACFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA64 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						
HCFNA77 9312 874777 AC068117 41884 1-786 HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 5347-5671 1-183 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116				1		
HCFNA64 9313 850391 AL365360 41885 1-560 HCFNA64 9313 850391 AL353606 41886 1-560 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 4487-5046 5347-5671 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	HCFNA77	9312	874777	A C068117	11001	
HCFNA64 9313 850391 AL353606 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						
HCFNA64 9313 850391 AL353606 41886 1-560 993-1655 HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116		7515	650591	AL303300	41883	1 5
HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	HCFNA64	9313	850301	AT 252606	11006	
HCFNA64 9313 850391 AL365360 41887 1-183 HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 5347-5671 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116		13313	030371	AL333000	41000	
HCFNA64 9313 850391 AL353606 41888 1-1060 3792-4313 4487-5046 HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	HCFNA64	9313	850391	AT 365360	41887	
HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						
HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116				112333000	11300	
HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						
HCFNA64 9313 850391 AL353606 41889 1-183 HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116						1
HCFNA21 9314 671021 AL355533 41890 1-305 HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	HCFNA64	9313	850391	AL353606	41889	
HCFNA21 9314 671021 AL162725 41891 1-284 HCFNA21 9314 671021 AC021382 41892 1-116	HCFNA21					
HCFNA21 9314 671021 AC021382 41892 1-116						
Tromy and the second se						
TICFINALI 19514 6/1021 AC073492 41893 1-284	HCFNA21	9314	671021	AC073492	41893	1-284

HCFNA21	9314	671021	A C022226	11904	1.557
1101117121	9314	0/1021	AC023226	41894	1-557
}		ł	1	1	803-1288
					1418-1606
			1		2471-2523
	}				3221-3509
					4385-4658
HCFNA21	9314	671021	AL355586	41895	1-252
HCFNA21	9314	671021	AC023999	41896	1-284
HCFNA21	9314	671021	AL162503	41897	1-240
HCFNA21	9314	671021	AC011461	41898	1-300
					335-605
}	Ì				820-906
-					952-1235
HCFNA21	9314	671021	AC005189	41899	
1101111111	7514	071021	AC003189	41099	1-453
l					835-1194
					2102-2218
					2512-2940
					3181-3291
[4157-4623
				ļ	4626-4927
					5177-5567
				}	6898-7486
			·		8246-8569
					8756-9250
				1	9481-10247
					11119-12587
HCFNA21	9314	671021	AC004477	41900	1-118
			11000	1.1200	830-1247
					1753-2044
		'			
j	Ţ	j	J		3435-3582
					3839-3927
					4483-4574
					5042-5100
					5548-6137
					6371-6614
					7495-7637
			j		8604-8661
					9274-9310
					9993-10590
					11293-11618
HCFNA21	9314	671021	AL389927	41901	1-240
HCFNA21	9314	671021	AC023226	41902	1-177
HCFNA21	9314	671021	AC023226	41903	1-604
HCFNA21	9314	671021	AL355586	41904	1-303
HCFNA21	9314	671021	AC011461	41905	1-294
HCFNA21	9314	671021	AC011461	41906	1-205
HCFNA21	9314	671021	AC005189	41907	1-902
HCFMZ90	9315	922112	AC024247	41907	
1101 1712.70	7515	922112	AC024247	41908	1-1246
					1754-2769
	}				3106-3558
TION FILE					4431-5316
HCFMW71	9316	920506	AC022536	41909	1-31
					340-421
	1			1	1097-1262
		}		1	2446-2621
					3069-3161
	<u> </u>	1	<u> </u>		3571-3791
					33/1-3/31

					
	j		ļ		4947-5076
HCFMW71	9316	920506	AC022536	41910	5905-6987 1-102
HCFMU01	9317	916695	AL161779	41911	1-102
			112101775	11211	855-1115
					1208-1348
					3620-3704
					3856-4332
	f				6287-6407
1			*		7167-7351
					7450-7631
					7731-7880
					7976-8113
	[8467-8612
					9195-9349
1	1				9454-9557
					10254-11220
		Ì			12199-12327
				}	13403-13543
					13962-14149
					15654-16061
				-	16517-16664
HCFMU01	9317	916695	AT 161770	11010	16756-16817
IICI WIOOI	9317	910093	AL161779	41912	1-117
					164-727
					1010-1159
HCFMP46	9318	463278	AC044875	41913	1669-1807
HCFMP46	.9318	463278	AC025879	41913	1-1588 1-1719
HCFMP46	9318	463278	AC044875	41915	1-458
HCFMP46	9318	463278	AC025879	41916	1-457
HCFMO47	9319	881505	AL121753	41917	1-471
				12527	638-753
	•				935-1173
				1	1735-2469
HCFMO47	9319	881505	AL356652	41918	1-471
	į				638-753
					935-1173
HOEMO 47	0010				1740-2473
HCFMO47 HCFMO47	9319	881505	AL121753	41919	1-231
HCFMO47	9319 9319	881505	AL121753	41920	1-521
HCFMO47	9319	881505	AL356652	41921	1-231
HCFLY85	9319	881505	AL356652	41922	1-521
HCFLY85	9323	909182	AC025845	41923	1-719
HCFLY53	9323	909182	AC025845	41924	1-141
HCFLY53	9324	727465	AL357093	41925	1-619
HCFLY53	9324	727465	AL157736	41926	1-619
HCFLY53	9324	727465	AL357093	41927	1-1013
HCFLY08	9324	727465	AL157736	41928	1-1013
HCFLY08	9325	959620	AC069291	41929	1-1515
HCFLY08	9325	959620 959620	AP000425	41930	1-1504
HCFLY08	9325		AC069291	41931	1-537
HCFLY08	9325	959620	AC069291	41932	1-310
HCFLY08	9325	959620	AP000425	41933	1-463
HCFLM03	9323	959620 850403	AP000425	41934	1-219
	7520	1030403	AC008244	41935	1-898

HCFLM03	9328	850403	AC008244	41936	1-152
HCFLM03	9328	850403	AC008244	41937	1-376
HCFLL03	9329	850406	AC018635	41938	1-798
			, , , ,	1.2550	812-4849
					5038-5366
HCFLL03	9329	850406	AC018635	41939	1-442
HCFLK10	9330	964792	AC004706	41940	1-94
					467-1295
					1519-1615
					1726-2458
					2535-5906
			ľ		6674-8648
					8739-9454
HCFLK10	0220	064700	1.000.450.4		9761-10839
HCFLK10	9330	964792	AC004706	41941	1-256
HCFLKIU	9330	964792	AC004706	41942	1-1011
HCFDD43	9332	770227	4 6000055		1065-1688
HCFCV32	9332	779327 850413	AC023055	41943	1-319
11010 132	9333	830413	AC006967	41944	1-757
					1230-1693
HCFCV32	9333	850413	AC006967	41945	4059-4088
HCFCP77	9334	772256	AP001823	41945	1-276
1101 01 , ,	3334	112230	AF001623	41940	1-404
	ŀ				907-1043 3315-3742
					5699-6160
					6702-9203
HCFCP77	9334	772256	AC074104	41947	1-1612
HCFCM75	9335	850435	AC022795	41948	1-300
HCFCM75	9335	850435	AC006001	41949	1-1388
				1.25.5	1736-4438
HCFCM75	9335	850435	AC006001	41950	1-909
HCFCM75	9335	850435	AC006001	41951	1-327
HCFCG23	9337	850426	AL109934	41952	1-826
HCFBQ30	9341	692787	AC021425	41953	1-1005
HCFBM75	9342	766599	AC019213	41954	1-407
HCFBM75	9342	766599	AC019213	41955	1-407
					476-865
					964-3416
HCFBM75	9342	766599	AC019213	41956	1-181
HCFBK28	9344	706243	AC064878	41957	1-978
HCFBK28	9344	706243	AL365508	41958	1-870
HCFBK28	9344	706243	AL035593	41959	1-1397
HCFBK04	9345	925601	AC010925	41960	1-156
					4205-4368
					4904-5180
					6117-6214
					9515-10379
					11791-12520
					12824-12968
				}	14091-14414
	J				15766-15963
	1		4.		16365-16846 17644-20656
			1	,	1 1/6/1/1/1/16/5/6/1
				1	20715-22870

HCFBK04	9345	925601	AC010925	41962	1-567
HCFBA94	9347	698647	AC009464	41963	1-720
HCFBA94	9347	698647	AC010172	41964	1-720
HCFBA94	9347	698647	AC009464	41965	1-1268
HCFBA94	9347	698647	AC010172	41966	1-57
					76-202
					233-1585
HCFBA94	9347	698647	AC009464	41967	1-538
	İ				2364-2611
					5269-5325
					5344-5470
					5611-6853
HCFBA94	9347	698647	AC010172	41968	1-1268
HCFAZ12	9348	970609	AC011445	41969	1-651
			ļ		772-876
					1775-2035
				ļ	2688-3014
					3057-3405
					6051-6168
	}			1	6208-6321
					6440-6712
TICEA 712	0240	050.60			7006-7725
HCFAZ12	9348	970609	AC018477	41970	1-327
HCFAZ12	9348	970609	AC011445	41971	1-181
HCFAZ12	9348	970609	AC018477	41972	1-349
HCFAZ07	9349	849823	AC010677	41973	1-363
					521-878
					1071-1821
					2474-3022
					4784-5310
			İ		7192-7356
					8048-10603
					10664-12406
LICEA 707	0240	040000	1.0010.00		16123-16163
HCFAZ07 HCFAZ07	9349 9349	849823	AC010677	41974	1-129
HCFAZ07	9349	849823	AC010677	41975	1-3759
					3832-4850
					5115-5215
					5388-5868
		· ·			5912-6111
				ļ	6444-6729
					7194-7302
					7361-7484
					7621-7838
					7997-8843
					9153-9720
HCFAF08	9350	959714	AC021183	41076	9873-11596
	7550	333714	AC021163	41976	1-292
					506-751
HCFAC38	9351	576723	AC020900	41977	948-1404
HCFAC38	9351	576723	AC020900 AC008452	41977	1-567
HBUAG44	9353	716685	AL133215	41978	1-568
	7555	710005	AL133213	419/9	1-181
					1710-1810
					2434-2525
					4747-4877
					5346-5426

					
İ	Ī		•		5763-6243
			1		7288-7635
					8274-8485
<u> </u>					8491-8594
İ			1		8691-8794
}			[10019-10273
					10365-10596
					11095-11212
İ					14099-14170
					14887-15389
	}			0	15670-15984
	Ì				16548-17540
					17583-20125
					20214-20468
HBUAG44	9353	716685	AL133215	41980	20479-20905
HBUAG44	9353	716685	AL133215	41981	1-934
HBUAC23	9354	847698	AC021652	41982	1-284
HBUAC23	9354	847698	AC022194	41983	1-1008
HBUAC23	9354	847698	AC063920	41984	1-1008
HBUAC23	9354	847698	AC069239	41985	1-1008
HBUAC23	9354	847698	AC022194	41986	1-99
HBUAC23	9354	847698	AC063920	41987	1-99
HBUAC23	9354	847698	AC021652	41988	1-99
HBMXS23	9357	675254	AL162417	41989	1-520
HBMXL78	9358	738763	AL356496	41990	1-1987
			122000	11330	2075-2631
					2807-6024
					6888-7507
HBMXL78	9358	738763	AL031847	41991	1-264
				1.222	2611-4597
					4685-5241
					5384-8634
					9498-10117
HBMXL78	9358	738763	AL356496	41992	1-428
HBMXL78	9358	738763	AL031847	41993	1-150
HBMXL78	9358	738763	AL031847	41994	1-428
HBMXL41	9359	711608	AC020602	41995	1-56
					2435-3236
					3394-3714
					4177-4642
					5582-5938
HBMXL41	9359	711608	AC020602	41996	1-186
HBMXJ70	9360	757328	AC016742	41997	1-67
					1305-1502
•					3956-4064
					4154-4249
					6684-6721
					6805-6853
ļ					6957-7728
7777	-				7824-8150
HBMXJ70	9360	757328	AC016742	41998	1-695
HBMXF73	9362	764551	AC022795	41999	1-486
IID) (YEE)	100.55				890-1214
HBMXF73	9362	. 764551	AC036178	42000	1-486
HBMXF73	9362	764551	AC022795	42001	1-319
HBMXF73	9362	764551	AC022795	42002	1-644

LIDMANETS	102.62	764551	1	1 4-0	
HBMXF73 HBMWK06	9362	764551	AC036178	42003	1-105
HBMWK06	9366	936088	AC009365	42004	1-802
HBMWK06	9366	936088	AC009365	42005	1-741
HBMWI28	9366	936088	AC009365	42006	1-620
	9367	685443	AC010413	42007	1-394
HBMWI28 HBMWI28	9367	685443	AC016549	42008	1-399
HBMWI28	9367	685443	AC016654	42009	1-395
	9367	685443	AC016549	42010	1-445
HBMWE35	9368	706034	AC027220	42011	1-642
HBMWE35	9368	706034	AC011939	42012	1-642
HBMWE35	9368	706034	AC027220	42013	1-445 541-1371
HBMWE35	9368	706034	AC011939	42014	1-445 541-1371
HBMWE35	9368	706034	AC027220	42015	1-1356
HBMWE35	9368	706034	AC011939	42016	1-1356
HBMVQ26	9369	546495	AC025162	42017	1-359
HBMVQ26	9369	546495	AC027529	42018	1-342
HBMVQ26	9369	546495	AC034102	42019	1-342
HBMVQ26	9369	546495	AC025162	42020	1-128
HBMVQ26	9369	546495	AC027529	42021	1-128
HBMVQ26	9369	546495	AC034102	42022	1-117
HBMVQ26	9369	546495	AC025162	42023	1-117
HBMVQ26	9369	546495	AC027529	42024	1-117
HBMVQ26	9369	546495	AC034102	42025	1-128
HBMVO41	9370	712565	AC023101	42026	1-438 1253-1723
HBMVO41	9370	712565	AC005007	42027	1-438 1253-1723
HBMVO41	9370	712565	AC023101	42028	1-314
HBMVO41	9370	712565	AC005007	42029	1-311
HBMVI33	9371	702683	AL365356	42030	1-566
HBMVI33	9371	702683	AL365356	42031	1-332
HBMVI33	9371	702683	AL365356	42032	1-527
HBMVG85	9372	575418	AC016994	42033	1-2035
		1	110010331	12033	2235-2890
HBMVG85	9372	575418	AC016994	42034	1-185
HBMVG18	9373	666855	AC073850	42035	1-1677
HBMVG18	9373	666855	AL355313	42036	1-1201
HBMVG18	9373	666855	AC073850	42037	1-361
			1100,200	1.2037	365-659
	1	III			1340-1630
					5013-5171
					5305-6231
					6951-7130
					8361-8461
					10060-10446
					10887-11394
					11879-11990
					12915-13089
					13910-13985
				1	14157-14484
					14912-15130
,					15858-16001
					16731-16805
					17316-17370

HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9376 93741 AC006947 42041 HBMUW96 9376 574517 AL078644 42042	384-17599 941-18809 405-19751 303-20332 345-21838 393-21955 128-23241 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9376 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042	405-19751 803-20332 845-21838 893-21955 128-23241 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 6001-6230 6879-6997 7811-7947
HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9375 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042 1	303-20332 345-21838 393-21955 128-23241 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9376 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042 1	345-21838 393-21955 128-23241 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9375 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042 1	393-21955 128-23241 1-300 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18 9373 666855 AL355313 42038 HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9375 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042 1	1-300 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18	1-300 1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVG18 9373 666855 AC073850 42039 HBMVD05 9375 932441 AC006947 42040 HBMVD05 9375 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042 1	1-300 1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVD05	1-356 1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMVD05 9375 932441 AC006947 42041 HBMUW96 9376 574517 AL078644 42042	1-588 1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
HBMUW96 9376 574517 AL078644 42042	1-371 561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
1 1 2 6 6 6 6 7 8 8 8 9 9	561-1011 249-1857 2656-2908 5001-6230 5879-6997 7811-7947
2 6 6 6 7 8 8 8 9 9	249-1857 2656-2908 5001-6230 5879-6997 7811-7947
2 6 6 6 7 8 8 8 8 9 9	2656-2908 5001-6230 5879-6997 7811-7947
	5001-6230 5879-6997 7811-7947
	879-6997 811-7947
77 8 8 8 9	811-7947
8889	
	3148-8324
9	452-8523
	369-9565
	659-9836
	84-10314
	98-11355
	52-12814
131	05-13769
143	10-14546
146	83-15524
155	27-15936
160	74-16355
	64-17327
	42-17646
	58-18217
	01-18986
	29-19408
HBMUW96 9376 574517 AL356273 42043	1-166
	514-644
	028-1685
	982-3144
	435-4099
	640-4876
	013-5854 857-6266
1 1 1	404-6685
	094-7657
	772-7976
	288-8547
	731-9316
	27-11445
HBMUW96 9376 574517 AL078644 42044	1-428
HBMUW96 9376 574517 AL356273 42045	1-535
HBMUW96 9376 574517 AL356273 42046	1-197
HBMUW85 9377 783416 AL117209 42047	1-2275
HBMUW85 9377 783416 AL117209 42048	1-684
HBMUW58 9378 574513 AC007539 42049	1-241
HBMUW58 9378 574513 AC006560 42050	1-241
HBMUW58 9378 574513 AC007539 42051	1-194

IID) AI DV CO	10270	574512	1,000,550	10050	
HBMUW58	9378	574513	AC006560	42052	1-194
HBMUN03	9379	847787	AC074201	42053	1-373
HBMUN03	9379	847787	AC074201	42054	1-441
HBMUG59	9381	739509	AC016680	42055	1-411
İ					490-1085
					1238-1823
			į		1847-3151
					3337-3819
					4043-5114
					5120-6371
					6390-6717
IID) (IIC)	0201	520500			6844-7488
HBMUG59	9381	739509	AC023890	42056	1-411
					490-1085
					1238-1823
					1847-3151
					3337-3819
					4043-5114
					5120-6371
					6390-6717
IID) (IIC)	0201	500500	1 001 6600		6844-7488
HBMUG59	9381	739509	AC016680	42057	1-441
HBMUG59	9381	739509	AC023890	42058	1-441
HBMTS23	9386	676310	AC067737	42059	1-395
HBMTS23	9386	676310	AL008726	42060	1-128
					369-1330
					2428-2475
					2477-2708
					3566-4065
					4902-5161
					5321-5361
					5452-5677
ĺ		ľ			5727-5924
					6096-6204
					6338-6675
					6726-9997
					10021-10615
					11350-11441
	-				11903-12143
	1				14076-14381
					14418-15321
					16488-16885
					17242-18034
					19610-20177
					20388-20418
	, ,				20437-20628
					21348-21482
			-	1	21831-21941
IIDMTCCC	0206	(7(212	AT 000705	40061	23215-23580
HBMTS23	9386	676310	AL008726	42061	1-672
HBMTR29	9387	847785	AC008763	42062	1-79
					146-630
					893-1147
					1256-1307
	1		1	1	1396-1511
					1831-1889
					1999-2740

			V4.3		
HBMTR29	9387	847785	AC008763	42063	1-32 34-203
					844-2015
HBMTM67	9388	751907	AL031681	42064	1-556
HBMTD69	9389	754179	AL356599	42065	1-602
HBMTD69	9389	754179	AL356599	42066	1-568
HBMSX83	9392	863883	AL365181	42067	1-116
					239-331
					755-1394
HBMSX83	9392	863883	AL139412	42068	1-44
					523-641
					764-856
ATTO A CONTROL					1280-1920
HBMSX83	9392	863883	AL365181	42069	1-472
HBMSX83	9392	863883	AL139412	42070	1-472
HBMDS02	9393	920096	AC024242	42071	1-1429
HBMDS02	9393	920096	AF214633	42072	1-1214
HBMDS02	9393	920096	AC024242	42073	1-1850
HBMDS02	9393	920096	AC024242	42074	1-87
HBMDS02	9393	920096	AF214633	42075	1-87
HBMDS02	9393	920096	AF214633	42076	1-1621
HBMDN16	9394	661947	AC078846	42077	1-509
HBMDN16	9394	661947	AC078846	42078	1-706
HBMDM25	9395	678127	AC009554	42079	1-555
TTT 2 572 50 5					656-1378
HBMDM25	9395	678127	AC009554	42080	1-600
HBMDM25	9395	678127	AC009554	42081	1-342
HBMDL27	9396	683427	AC026281	42082	1-551
HBMDL27	9396	683427	AC026281	42083	1-551
HBMDD72	9398	879813	AC034220	42084	1-327
HBMDD72	9398	879813	AC034220	42085	1-329
HBMDD72	9398	879813	AC034220	42086	1-324
HBMCT09	9401	625627	AC011364	42087	1-1293
HBMCT09	9401	625627	AC011364	42088	1-604
HBMCT09	9401	625627	AC011364	42089	1-88
				•	2280-2404
					3673-4027
					4896-5794
				•	6706-7138
					7773-7935
TID) (CC.5	-				7953-8728
HBMCS55	9403	731802	AL162729	42090	1-236
IID) (COSS	0.402	701000	1705510		534-1144
HBMCS55	9403	731802	AL353748	42091	1-236
HBMCS55	0402	721000	AT 252540	10000	534-1144
	9403	731802	AL353748	42092	1-695
HBMCR25	9404	678164	AC018924	42093	1-1274
HBMCF20	9407	646279	AC025220	42094	1-693
LIDMDV70	0400	011160	1.0000000	12005	2715-2835
HBMBX72	9409	911168	AC022032	42095	1-146
HBMBX72	9409	911168	AC012342	42096	1-147
HBMBX72	9409	911168	AC015734	42097	1-137
HBMBX72	9409	911168	AC006995	42098	1-971
HBMBX72	9409	911168	· AC005080	42099	1-971
HBMBX72	9409	911168	AC004878	42100	1-971
HBMBX72	9409	911168	AC004166	42101	1-771

					810-1009
HBMBX72	9409	911168	AC012342	42102	1-322
					346-758
HBMBX72	9409	911168	AC006995	42103	1-1186
HBMBX72	9409	911168	AC006995	42104	1-277
HBMBX72	9409	911168	AC005080	42105	1-1186
HBMBX72	9409	911168	AC005080	42106	1-277
HBMBX72	9409	911168	AC004878	42107	1-1186
HBMBX72	9409	911168	AC004878	42108	1-277
HBMBX72	9409	911168	AC004166	42109	1-1186
HBMBX72	9409	911168	AC004166	42110	1-277
HBMBX64	9410	746633	AC011978	42111	1-596
HBMBX64	9410	746633	AC011978	42112	1-401
HBMBX64	9410	746633	AC011978	42113	1-285
HBMBX55	9411	668981	AC015841	42114	1-152
}					479-517
					726-3565
HBMBX55	9411	668981	AC004586	42115	1-152
					479-517
					726-3565
HBMBX55	9411	668981	AC018617	42116	1-113
					892-1070
	}				1396-1435
					1644-4483
HBMBX55	9411	668981	AC015841	42117	1-415
HBMBX55	9411	668981	AC004586	42118	1-126
HBMBX55	9411	668981	AC004586	42119	1-415
HBMBX55	9411	668981	AC018617	42120	1-142
HBMBX55	9411	668981	AC018617	42121	1-415
HBMBU52	9412	973805	AL078592	42122	1-337
					551-1205
					1693-1794
					1828-1926
TIDMDLISS	0412	072005	17.050.500		4581-4678
HBMBU52	9412	973805	AL078592	42123	1-660
HBMBN85	9413	783520	AL356235	42124	1-303
HBMBN85	9413	783520	Z84487	42125	1-303
HBMBN85	9413	783520	AL356235	42126	1-121
HBMBN85	9413	783520	Z84487	42127	1-146
HBMBI49	9414	723094	AC019290	42128	1-533
HBMBI49	9414	723094	AP002373	42129	1-190
				}	530-1839
					2021-2072
HBMBI49	0414	702004	17001110	12122	2082-2679
пвивич	9414	723094	AP001149	42130	1-190
					530-1839
					2021-2072
HBMBI49	9414	723094	A C010200	42121	2082-2682
HBMBI49	9414	723094	AC019290	42131	1-537
HBMBF78	9414	623421	AP001149	42132	1-143
HBMBF78	9416	623421	AC023818	42133	1-1283
HBMBB57	9419		AC023818	42134	1-247
HBMBB45		734915	AL157705	42135	1-327
CPGGIVIGIT	9420	578817	AC022417	42136	1-104
					339-571
					4377-4519

					6781-6868
HBMBB45	9420	578817	AC022417	42137	1-610
HBMAC54	9421	930481	AL138721	42138	1-437
HBMAC54	9421	930481	AC069587	42139	1-437
HBMAC54	9421	930481	AL138721	42140	1-1145
HBMAC54	9421	930481	AC069587	42141	1-1145
HBJNC01	9422	915970	AC026172	42142	1-608
HBJNC01	9422	915970	AC023058	42143	1-610
HBJNC01	9422	915970	AC024056	42144	1-608
HBJNC01	9422	915970	AC018506	42145	1-590
				121.5	841-1404
					1569-1630
			:	ŀ	3507-3624
					5344-5700
					5921-6112
					6791-7053
				1	7442-8012
					8491-9098
					9471-9927
					10948-11053
		•	1		11380-11589
	İ				11740-12120
					12368-12671
					12827-13009
					13622-13925
					13932-14299
					14680-15114
					15978-16503
					16708-18163
100					18604-18952
					19022-19569
					20408-20515
TID D I COA	0.100				22146-22813
HBJNC01	9422	915970	AC023058	42146	1-571
HBJNC01	9422	915970	AC026172	42147	1-571
HBJNC01	9422	915970	AC023058	42148	1-457
HBJNC01	9422	915970	AC024056	42149	1-457
HBJNC01	9422	915970	AC024056	42150	1-571
HBJNC01	9422	915970	AC018506	42151	1-454
HBJNC01	9422	915970	AC018506	42152	1-307
HBJNB52	9423	726475	AC012659	42153	1-809
HBJNB52	9423	726475	AJ132410	42154	1-810
HBJNB52	9423	726475	AC012659	42155	1-186
HBJNB52	9423	726475	AC012659	42156	1-352
					365-468
HBJNB52	9423	726475	AJ132410	42157	1-115
					134-313
HBJNB52	9423	726475	AJ132410	42158	1-352
					359-483
			}		487-635
					936-1595
TYTO T3 #**** =	10.10				1851-1990
HBJMW95	9424	797604	AC013612	42159	1-107
					1905-2479
TID II FILLS					3319-4030
HBJMW03	9425	921996	AL009182	42160	1-1035
			<u>L</u>		1949-2913

					3786-5190
HBJMW03	9425	921996	AL009182	42161	1-1090
					1160-1384
					1584-2278
HBJMU53	9426	727987	AC016424	42162	1-88
					110-1039
					1573-1895
					2720-3338
	ļ				3346-4689
					5301-6550
					6924-8253
HBJMU53	9426	727987	AC016745	42163	1-1249
TT0 77					1329-2183
HBJMU53	9426	727987	AC016767	42164	1-1248
HBJMU53	9426	727987	AC021029	42165	1-1346
					1945-3190
TTD 77					3554-5341
HBJMU53	9426	727987	AL353608	42166	1-32
					114-201
					331-786
					1534-1594
			Ì		1754-2245
					2419-3108
					3347-4044
		•			5066-5109
					5525-5608
					6815-6902
					6924-7846
					8266-8704
					9530-10145
					10167-11507
					12121-13371
IID DATES	0406				13745-15536
HBJMU53	9426	727987	AL356244	42167	1-995
HBJMU53	9426	727987	AC021035	42168	1-1335
					1945-3190
HBJMU53	9426	707007			3554-5341
пымоз	9426	727987	AC016767	42169	1-344
					1339-1560
HBJMU53	9426	707007	1.0001000	 	1569-2898
HBJMU53		727987	AC021029	42170	1-222
HBJMU53	9426	727987	AL353608	42171	1-4819
UDIMO33	9426	727987	AC016745	42172	1-32
	ļ			· ·	114-201
					329-784
					1753-2244
			}		2418-3106
	İ				3345-4041
					5062-5105
	1				5507-5590
			1		6794-6883
					6903-7834
					8252-8690
					9516-10133
НВЈМU53	9426	727007	AT 252600	40170	10139-11484
CCOTATEON.	7420	727987	AL353608	42173	1-484
					929-1087

					2030-2269
HBJMU53	9426	727987	AL356244	42174	1-32
					335-790
					1758-2250
					2424-3112
					3351-4048
					5072-5119 5513-5596
					6801-6890
					6910-7835
					8255-8693
			ŀ		9519-10136
					10141-11497
HBJMU53	9426	727987	AC021035	42175	1-32
					1759-2250
					2424-3113
					3349-4046
					5068-5111
					5509-5592
		1			6796-6883
					6905-7825
					8359-8681 9507-10122
HBJMU53	9426	727987	AC021035	42176	1-5381
	1 .20	,2,50,	110021055	42170	5404-6543
HBJMS40	9427	710880	AC022252	42177	1-1002
HBJMS40	9427	710880	AL365360	42178	1-1002
HBJMS40	9427	710880	AL353606	42179	1-1002
HBJMS40	9427	710880	AC022252	42180	1-383
					389-464
HBJMS40	9427	710880	AL365360	42181	1-383
					389-464
TTD TO CO CO	0.407	510000	17.050.60.6		712-1179
HBJMS40	9427	710880	AL353606	42182	1-496
HBJMR59 HBJMR59	9428	738615	AC011845	42183	1-805
HBJMR59	9428 9428	738615 738615	AL161454 AC011845	42184	1-804
HBJML90	9429	787320	AL365321	42185 42186	1-277
HBJML80	9430	775435	AP001384	42187	1-705
HBJML80	9430	775435	AP000666	42188	1-1801
HBJML80	9430	775435	AP001163	42189	1-1802
HBJML80	9430	775435	AP000674	42190	1-1798
HBJML80	9430	775435	AC009544	42191	1-1805
HBJML80	9430	775435	AP001924	42192	1-1801
HBJML80	9430	775435	AP001359	42193	1-1808
HBJML80	9430	775435	AP001384	42194	1-460
HBJML80	9430	775435	AP000666	42195	1-1179
HBJML80	9430	775435	AP001163	42196	1-1179
HBJML80	9430	775435	AP000674	42197	1-1179
HBJML80	9430	775435	AC009544	42198	1-1179
HBJML80	9430	775435	AP001924	42199	1-1175
HBJML80	9430	775435	AP001359	42200	1-460
HBJMC69	9432	754875	AC008870	42201	1-839
					931-1233
НВЈМС69	9432	754875	AC009043	42202	1620-2006
TIDIMICOS	7434	134013	AC009043	142202	1-839

					915-1217 1604-1990
HBJMC69	9432	754875	AC002400	42202	1-806
	7.32	, /3-1073	AC002400	42203	915-1217
		İ			1604-1990
HBJMC69	9432	754875	AC008870	42204	1-766
HBJMC69	9432	754875	AC008870		1-255
				42204 42204 42205 42206 42207 42208 42209 42210 42211 42212 42213 42214 42214 42216 42217 42218 42219 42220 42221 42221	305-858
					1125-1631
HBJMC69	9432	754875	AC009043	42206	1-765
HBJMC69	9432	754875	AC009043	42207	1-255
					305-858
					1126-1632
НВЈМС69	9432	754875	AC002400		1-765
HBJMC69	9432	754875	AC002400	42209	1-255
					305-858
TID II 3700	0.40.4				1126-1632
HBJLX09	9434	625319	AF178030		1-443
HBJLX09	9434	625319	AF178030		1-353
HBJLX09	9434	625319	AF178030	42212	1-535
					4407-4904
HBJLW74	9435	765352	AT 250750	10010	6118-6254
IIDJE W /4	9433	703332	AL359759	42213	1-243
					301-731
					734-1050 1294-2487
					2571-2868
					2958-3035
					3315-3744
HBJLW74	9435	765352	AL133352	42214	1-243
					301-731
					734-1050
					1294-2487
					2569-2761
					2959-3036
HDT W74	0425	765050	17.100050		3316-4415
HBJLW74 HBJLU36	9435	765352	AL133352		1-654
UP1LO30	9436	847851	AC027397	42216	1-378
HBJLU36	9436	0.470.51	AL357120	40017	572-919
111111111111111111111111111111111111111	9430	847851	AL35/120	42217	1-440
HBJLF04	9439	614915	AL161772	42219	634-981
HBJLF04	9439	614915	AC018392		1-690 1-437
HBJLF04	9439	614915	AL161772		1-437
HBJLF04	9439	614915	AC018392		1-186
HBJKI77	9441	772000	AC025928		1-98
			110020720		345-482
		ľ			695-1305
HBJKI77	9441	772000	AL109627	42223	1-98
					345-482
					695-1305
HBJKI77	9441	772000	AL109627	42224	1-651
					817-1328
					3372-3504
HBJKI77	9441	772000	AL109627	42225	1-348
					683-1129
					1191-2261

HBJKG07	9442	952843	AC006140	42226	1-1333
HBJKG07	9442	952843	AB023052	42227	1-1333
HBJKG07	9442	952843	AB023052	42228	1-1276
					1448-1747
	Ì			42229 42229 42230 42231 42232 42233 42234 42235 42236 42237 42238 42239 42240 42240 42241 42242 42243 42244 42245 42246 42247 42248	1818-2040
	}				2970-3054
	1	}			3786-3887
					4134-4471
					4705-4776
					4869-4944
					5107-5284
	J			ļ	5425-5538
					5735-5859
	-				6074-6156
					6850-7019
					7084-7226
					7527-7613
					7709-7811
					8229-8354
					8910-9026
					9067-9372
					10897-11013
					11038-11617
		Ì	1		12838-12948
					13033-13068
			1		13214-13346
					13505-13599
					13962-14009
TIDYKOOG					19853-19942
HBJKG07	9442	952843	AC006140		1-171
HBJKG07	9442	952843	AB023052	42230	1-232
					2355-2452
	-				3276-3410
					3465-3671
IIDIKDaa	0444	751055			3707-4026
HBJKD77	9444	771975	AC069004		1-384
HBJKD77	9444	771975	AC069004		· 1-147
HBJKD77	9444	771975	AC069004		1-301
HBJKD64	9445	746398	AC008026		1-331
HBJKD64	9445	746398	AC018636	42235	1-331
HBJKD64	9445	746398	AC008026		1-271
HBJKD64	9445	746398	AC018636		1-88
HBJKD60	9446	740171	AC021110		1-817
HBJKD60	9446	740171	AC021110		1-344
HBJKD40	9449	710931	AC025349		1-401
HBJKA77	9450	771982	AP001089	42241	1-2583
HBJKA77	9450	771982	AP001089	42242	1-343
HBJKA01	9451	91607.7	AC048363	42243	1-536
HBJKA01	9451	916077	AC036144	42244	1-542
НВЈКА01	9451	916077	AC016031	42245	1-542
HBJKA01	9451	916077	AC009941	42246	1-542
HBJKA01	9451	916077	AC036144		1-440
HBJKA01	9451	916077	AC016031		1-431
					947-1387
HBJKA01	9451	916077	AC048363	42249	1-407
HBJKA01	9451	916077	AC009941	42250	1-431
				_	947-1387

HBJKA01	9451	916077	AC036144	42251	1-407
HBJKA01	9451	916077	AC016031	42252	1-407
НВЈКА01	9451	916077	AC009941	42253	1-411
HBJJX53	9452	835733	AC005073	42254	1-411
	1 .52	055755	AC003073	42234	940-1180
					1852-2062
					2064-2154
					2609-2977
					3455-4244
					4796-5220
					6485-6924
					8360-8685
					8734-9287
					9704-10448
		İ			11084-12000
				İ	12226-13392
			ſ		13703-13772
					13805-14443
				:	14470-14888
					15137-16367
					16448-17023
				1	17096-17156
				}	17259-18000
	,				18350-18690
					18962-19128
					19420-19573
					19792-20077
					20124-22431
					22573-23150
					23223-23837
					24074-24172
					24218-24750
					24811-25121
					26008-27281 27312-27680
					27891-28841
				1	29378-29581
					31206-31718
HBJJX53	9452	835733	AC005071	42255	1-447
					1852-2062
			ľ		2064-2154
					2609-2977
					3455-4244
	1				4796-5218
					6593-6924
					9903-10133
		İ			11084-12000
					12226-13392
					13703-13772
	•				13805-14443
					14470-14888
					15137-16367
					16448-17010
					17096-17156
	J				17259-18000
		ļ			18350-18690
					18962-19128

					19420-19573
					19792-20077
					20124-22431
					22573-23150
					23223-23837
		:			24074-24172
					24218-24750
					24819-25110 26008-27281
					27312-27680
:					27891-28841
					29378-29581
					31206-31718
HBJJX53	9452	835733	AC005073	42256	1-853
HBJJX53	9452	835733	AC005073	42257	1-3333
				1220	3556-3754
					3816-7381
			ļ		7384-7601
			1		7635-8330
					8572-8879
					8917-9030
					9088-9191
					9671-9908
		:			9911-13281
					13403-13828
					14157-15040
					15737-16040
		ŀ			16205-16293
					17878-18795
				<u> </u>	19197-19455
IIDIIXE2	0452	025722	1 0005051	400.50	19962-21676
HBJJX53	9452	835733	AC005071	42258	1-3015
					3238-3428
					3498-7063
					7066-7283 7317-8012
					9349-12963
					13085-13595
					13839-14722
					15397-15722
					15887-15975
				+	17560-18477
					18879-19130
					19644-21358
HBJJX53	9452	835733	AC005071	42259	1-1300
HBJJT12	9453	894345	AC041015	42260	1-581
HBJJN02	9454	919371	AL138790	42261	1-625
HBJJN02	9454	919371	AC025412	42262	1-625
HBJJN02	9454	919371	AL138790	42263	1-467
HBJJN02	9454	919371	AC025412	42264	1-467
HBJJL10	9455	937583	AC013322	42265	1-229
HBJJL10	9455	937583	AC006038	42266	1-229
HBJJL10	9455	937583	AC013322	42267	1-204
					325-500
					3769-4126
					4496-4823
		1			6184-6339

	T T				8047-8171
					8257-8392
					8586-8890
					9429-9892
					10152-10523
HBJJL10	9455	937583	AC013322	42268	1-459
					1050-1149
					1250-1887
HBJJL10	9455	937583	AC006038	42269	1-459
					1050-1149
TYD TYT 4.0					1250-1887
HBJJL10	9455	937583	AC006038	42270	1-204
					325-500
					3769-4126
					4496-4823
			1		6184-6339
					8047-8171
					8257-8392
					8587-8890
					9429-9892
HBJJE44	9456	716409	AC025233	42271	10152-10523 1-847
HBJJE44	9456	716409	AC025233	42271	1-847
HBJJE44	9456	716409	AC025233	42272	1-326
HBJJE44	9456	716409	AC025233	42274	1-326
HBJJA32	9457	699059	AC007200	42275	1-326
НВЈЈА32	9457	699059	AC007200 AC008677	42276	1-915
HBJJA01	9458	916078	AC004982	42277	1-913
	7.50	710070	AC004362	42211	908-1006
					3730-4329
	ļ				5315-5994
HBJJA01	9458	916078	AC004982	42278	1-78
HBJJA01	9458	916078	AC004982	42279	1-572
					898-1000
НВЛІС42	9459	597100	AC060225	42280	1-513
HBJIL42	9459 .	597100	AC060225	42281	1-507
НВЛГ51	9462	725081	AL355874	42282	1-968
HBJIF51	9462	725081	AL355874	42283	1-175
НВЛВ69	9464	754891	AC019181	42284	1-494
HBJIB69	9464	754891	AC019181	42285	1-324
НВЈІВ69	9464	754891	AC019181	42286	1-633
HBJIA80	9465	784267	AC020625	42287	1-1231
НВЈНХ73	9466	971377	AC078916	42288	1-364
HBJHX73	9466	971377	AC022305	42289	1-686
HBJHX73	9466	971377	AC002518	42290	1-247
HBJHX73	9466	971377	AC072032	42291	1-364
HBJHX73	9466	971377	AC027628	42292	1-227
					5256-5433
					8919-9046
НВЈНХ73	9466	971377	AC078916	42293	1-288
HBJHX73	9466	971377	AC072032	42294	1-288
HBJHX73	9466	971377	AC027628	42295	1-633
НВЈНU20	9468	907575	AC021916	42296	1-684
НВЈНU20	9468	907575	AC021916	42297	1-106
HBJHG02	9471	919450	AL137780	42298	1-193
					402-1057

HBJHG02	9471	919450	AT 127700	12200	
110311002	94/1	919430	AL137780	42299	1-29
					2094-2219
					3256-3655
HBJGT03	0472	022000	1 0007 600	12222	3828-3971
HBJGT03	9472	923800	AC007682	42300	1-972
HBJFP08		923800	AC007682	42301	1-442
	9476	959868	AC018647	42302	1-486
HBJFP08	9476	959868	AC018647	42303	1-2629
HBJFP08	9476	959868	AC018647	42304	1-913
HBJFK85	9477	702420	1.0001005	10007	1236-1353
HBJFK85	9477	783432	AC021237	42305	1-534
		783432	AF286886	42306	1-534
HBJFK85	9477	783432	AC021237	42307 ·	1-588
HBJFK85	9477	783432	AF286886	42308	1-588
HBJFI30	9479	691056	AC022307	42309	1-431
IIDIEI20	0.470				761-1608
HBJFI30	9479	691056	AL121991	42310	1-431
TIDIETZO		604056			761-1379
HBJFI30	9479	691056	AL121991	42311	1-502
TIDIDIO					1464-1497
HBJFI30	9479	691056	AC022307	42312	1-113
HBJFH60	9480	740543	AL161430	42313	1-878
HBJFH60	9480	740543	AC025797	42314	1-878
HBJFB10	9485	968162	AC025373	42315	1-530
					672-1103
HBJFB10	9485	968162	AL035086	42316	1-530
					672-1103
HBJFB10	9485	968162	AL035086	42317	1-326
HBJEY89	9486	787044	AC009407	42318	1-173
					192-682
					737-860
					878-1484
					1532-1734
					2293-2614
					3623-3685
				1	3724-3951
	1				4534-4687
					6253-6977
	ĺ				7643-8275
					8478-8698
				<u> </u>	8728-9385
		į			10226-10382
					10391-11655
HBJEY89	9486	787044	AC009407	42319	1-417
HBJEY89	9486	787044	AC009407	42320	1-256
HBJEP70	9488	757374	AP000936	42321	1-490
					646-1111
HBJEP70	9488	757374	AP000936	42322	1-123
HBJEP70	9488	757374	AP000936	42323	1-238
HBJEN68	9489	752251	AC008074	42324	1-1875
					4501-4609
					9122-9517
					9821-10180
		ł		1	11473-11810
					13086-13423
	1				13817-13972

					16086-16191
					17570-17697
					18102-18159
					19597-20015
					20772-21637
}					24906-25264
					25386-25519
					25609-26886
}					28309-29235
					29565-29754
					30942-31809
					33073-33638
					33903-33931
					37395-37804
		1		}	37917-38323
HBJEN68	9489	752251	A C000074	40305	39815-41488
HBJEN68	9489	752251	AC008074	42325	1-497
HBJEM45	9490		AC008074	42326	1-511
TIDJE1V145	9490	722107	AP001566	42327	1-313
					2488-2927
					4235-4659
		İ			6815-7337
					7823-8134
					8572-8674
					8992-9186
					11601-11987
					12023-12228
					12403-12783
					12851-12918
HBJEM45	9490	722107	A D000415	40200	13677-14312
111031510145	3490	/2210/	AP002415	42328	1-313
					2488-2927
					4235-4659
	1	•			6815-7337
					7823-8134
					8572-8674
					8992-9186
					11600-11986
					12022-12227
					12402-12756
	!				12860-12927 13686-14321
HBJEM45	9490	722107	AC011930	42329	1-313
	15.50	,2210,	110011550	42329	2489-2928
	1				4236-4660
					6816-7338
1					7824-8135
					8573-8675
j					8993-9187
					11602-11988
				-	12024-12229
					12404-12784
					12852-12919
					13678-14313
HBJEM45	9490	722107	AC019021	42330	1-313
HBJEM45	9490	722107	AC011930	42331	1-513
HBJEM45	9490	722107	AC019021	42332	1-542
	12	1/2210/	110019021	172332	1-542

HBJEL04	0401	615515	AT 150000	142222	1 100
HBJEL04	9491	013313	AL158823	42333	1-490 635-1507
HBJEL04	9491	615515	AL137012	42334	1-299
IIDULLO !	3421	013313	AL157012	72334	1007-1496
					1641-2513
					2530-3069
					5465-6708
HBJEL04	9491	615515	AL158823	42335	1-540
HBJEL04	9491	615515	AL158823	42336	1-281
HBJEE72	9493	766187	AC078778	42337	1-1093
HBJEE72	9493	766187	AC078778	42338	1-660
HBJED51	. 9494	485130	AC034222	42339	1-536
HBJED05	9495	935058	AC016073	42340	1-1158
HBJED05	9495	935058	AL121890	42341	1-2064
					6702-6829
			1	1	8712-8859
					9331-9803
}					9843-9964
					11575-11689
					11970-12122
					12288-12322
					12353-13049
HBJED05	0405	025059	AT 101000	402.40	13111-13608
HBJED05	9495 9495	935058	AL121890	42342	1-244
HBJEA73	9497	935058 573834	AL121890	42343	1-945
IDJEA/3	9497	373834	AF205589	42344	1-32
					110-254
					333-849 918-999
					1069-1147
					1231-1322
					1435-1687
					1765-1881
					1958-2357
	}			1	2441-3044
					3104-3153
					3226-3549
					3626-3791
					3874-4018
					4089-4184
					4258-4377
					4424-5493
					5591-5736
					5834-5922
					6196-6415
					6479-6654 6735-6895
					7030-7124
					7229-7371
					7452-7567
					7707-7796
					7887-7969
				1	8059-8133
					8149-8306
			, _ , _ ,		8381-8736
HBJEA73	9497	573834	AC022505	42345	1-32
					110-254

	T	T	1		
					341-712
					761-844
					919-1000
					1070-1148
	-				1232-1323
					1421-1673
					1751-1867 1944-2343
					2430-2570
HBJEA54	9498	625943	AL157408	42346	1-516
HBJEA54	9498	625943	AL157408	42347	1-246
HBJEA54	9498	625943	AL157408	42348	1-959
HBJEA38	9499	577103	AC009790	42349	1-616
HBJEA38	9499	577103	AC009790	42350	1-154
HBJEA13	9501	419107	AC061988	42351	1-242
HBJDZ49	9502	847928	AC026507	42352	1-488
HBJDZ49	9502	847928	AC073967	42353	1-488
HBJDZ49	9502	847928	AC007000	42354	1-1192
			110007000	42334	1740-1980
					2324-3297
]			4882-4969
					5136-5436
					6223-6476
			}		6487-7106
				, ·	7435-7855
					7977-12142
					12173-12247
HBJDZ49	9502	847928	AC006995	42355	1-980
					2557-2643
	i				2810-3110
					4188-4795
					5124-5544
					6044-9040
					9046-9283
					9772-9989
					10403-10592
					10615-10861
					10925-13963
HBJDZ49	9502	847928	AC006014	42356	14262-14983
	-502	UT1720	21000014	טעעבד	1-1533 2260-2403
					2894-3811
					5391-5478
					5645-5945
					7052-7659
					7903-8408
					8681-9613
					10033-11894
					13474-17953
					17961-21161
					21163-21418
					21506-23629
					23876-25000
					25330-25629
			ļ		25806-26108
					26527-26741
L					27724-27832

					27877-28134
					28505-29118
					29179-29698
					30220-30471
					30918-31476
					33359-33446
					33613-33723
				Ì	34757-35010
					35021-35442
				}	37343-39068
HBJDZ49	9502	847928	AC007003	42357	1-539
					783-1288
					1410-5415
-					5538-5768
					5818-6125
					6276-6341
			1		6363-10846
		!			10854-14320
					14396-16493
					16760-17881
					18212-18511
				Í	18545-18951
					19370-19584
					20384-20991
HBJDZ49	9502	847928	AC073517	42358	1-91
				.2000	259-371
					1391-1642
					1665-1907
					2614-3019
					3029-3131
					3161-3688
					3727-5211
HBJDZ49	9502	847928	AC004878	42359	1-980
		0,20	110001070	12337	2557-2644
			İ		2811-3111
					4255-4862
					5191-5611
			,		5884-9106
					9112-9349
					9832-10053
					10126-10433
					10467-10656
					10407-10030
1	1	1	[11461-15048
					15173-18370
					18955-20842
	İ	1	0		21089-22211
					23017-23232
}					25096-25345
		-90-			25716-26329
			:		26453-26909
					28140-28698
					30582-30669
					30836-31136
					32001-32686
	1	1]	}	34133-34567
L		L	<u> </u>		35036-37131

			·		
	Ì				37137-37181
					38806-42375
	1	}			42420-43181
					43189-43972
					44198-45300
HBJDZ49	9502	847928	AC004980	42360	1-517
				i .	1224-1740
					1770-2298
					2337-6170
	ļ				6407-6441
					6816-15196
HBJDZ49	9502	847928	AC005073	42361	1-1715
					2222-2480
			j		2882-3799
					5384-5472
					5637-5940
					6637-7520
					7849-8274
					8396-11766
					11769-12006
					12486-12589
					12647-12760
					12798-13105
					13347-14042
					14076-14293
					14296-17861
				0	17923-18121
					18344-21676
HBJDZ49	9502	847928	AC018720	42362	1-88
1					295-1846
					3509-3598
				ŀ	3764-4061
					4797-5399
		1			6020-6423
					6565-7094
					7133-10962
					11199-11233
ļ)	}	ļ]	11406-16414
					16433-20188
HBJDZ49	9502	847928	AC006480	42363	1-824
			1-2000100	.2.505	1727-2250
					3167-3348
					3382-3733
					4181-4664
					4957-5496
	j	ļ	ļ		5585-5810
					5829-6140
					6329-6722
					7752-8250
					9690-10562
			<u> </u>		10591-11432
					12438-12751
					14763-15319
					15478-15667
					16874-16955
					20911-21344
	L		<u>.</u>	<u>l</u>	21469-21617

			T		
					22041-22247
		ĺ			25096-25193
				1	25336-25751
					26609-26714
					26798-27211
					28295-28832
					29914-30366
				·	31336-31510
					31520-32202
1					33873-33965
					34131-34431
				ļ	34675-34784
	ŀ		1		35103-35705
					36242-36731
					36873-37401
					37440-37680
					37699-41271
					41712-50442
HBJDZ49	9502	847928	AF030453	42364	1-64
					232-342
					1337-1852
					2559-2964
					3673-7264
				ĺ	7293-7508
					7746-7780
					7953-18188
HBJDZ49	9502	847928	AC004867	42365	1-1716
			11000 1007	12303	2250-2502
			:		2834-3813
]]	J	5396-5483
					5650-5950
					6624-7332
					7837-8257 8379-11753
					11756-12384
					12781-13088
		j		ļ	
				,	13239-13304
					13326-17824
					17886-18086
					18320-21988
HBJDZ49	9502	847928	AC005088	40266	22072-23613
111010249	9302	84/928	AC005088	42366	1-91
}					259-371
					1378-1894
					2601-3006
					3715-7552
					7788-7822
İ					7995-12991
IID ID 7/40	0500	0.47000	1.000.51.5		13010-18252
HBJDZ49	9502	847928	AC005488	42367	1-1525
					2823-3802
					5381-5467
					5634-5934
	}				7010-7619
					7948-8368
					8868-11864
					11870-12107

HBIDZ49 P502 847928 AC005098 HBIDZ49 P502 847928 AC004166 HBIDZ49 P502 847928 AC004166 AC00416		T		1	γ	
HBJDZ49 9502 847928 AC005071 42370 HBJDZ49 9502 847928 AC005071 42370 119322-1308 HBJDZ49 9502 847928 AC005071 42370 11978-1389-1589-1589-1589-1589-1589-1589-1589-15						12594-12811
HBJDZ49 9502 847928 AC005098 AC004166 AC0				ļ		
HBIDZ49 9502 847928 AC005071 42370 HBIDZ49 9502 847928 AC005071 42370 1-1718-12985					-	
HBJDZ49 9502 847928 AC005071 42370 1.1715.12381 17190-17916 1792-42107 21551-23569 23842-24793 25666-26072 27845-28102 2858-3829666 30322-30463 30913-31413 33516-33443 33610-33913 34799-35052 35063-35484 36553-37367 38056-39110 2897-3814 5395-5482 5649-5949 6624-7332 7837-8257 8530-11755 11758-12386 12495-12719 12792-13709 13250-1331 13792-13709 13250-1331 13792-13709 13250-1331 13792-13709 13250-1315 11755-12381 1278-13085 5647-5947 6621-7329 7834-8224 8376-11755 11753-12381 12778-13085 1323-16609 16700-17821 17785-12381 12778-13081 13323-16609 16700-17821 17785-12381 12778-13081 13323-16609 16700-17821 17785-12381 12778-13081 13323-16609 16700-17821 17785-12381 12778-13081 13323-16609 16700-17821 17785-12381 12778-13081 13323-16609 16700-17821 17785-12381 12778-13081 1323-16609 16700-17821 17785-12381 12778-13081 1323-16609 16700-17821 17785-12381 12778-13081 1323-16609 16700-17821 17785-12381						
HBJDZ49 9502 847928 AC005071 42370 117924-21107 21551-23569 23842-24790 25294-25280 23842-24790 25294-25280 27692-27800 27692-27800 27692-27800 27692-27800 27692-27800 27692-27800 27692-27800 27692-27800 27692-27800 28538-29666 30322-30463 30313-31471 33356-33433 33610-33910 34799-3505 35063-35484 36553-37367 38056-39110 2897-3814 5395-5482 5649-5949 6624-7332 7837-8225 5649-5949 6624-7332 7837-825 511758-12385 12792-13099 13250-13315 13337-17835 13337-17835 13337-17835 13357-17835						
HBJDZ49 9502 847928 AC005071 42370 1-1718 HBJDZ49 9502 847928 AC005071 42370 1-1718.3-1805 13323-16662 HBJDZ49 9502 847928 AC005071 42370 1-1718.3-1805 13323-16669 16700-17821 17883-1805 1322-3463 1322-34		1	1		}	
HBJDZ49 9502 847928 AC005071 42370 HBJDZ49 9502 847928 AC005071 42370 1-1715						
HBJDZ49 9502 847928 AC005071 42370 1-1718.						
HBJDZ49 9502 847928 AC005091 42370 1-1715 HBJDZ49 9502 847928 AC005091 42370 1-1716 125666-26072 27692-27800 27845-28102 28538-29666 30322-30463 30013-31471 33356-33434 33610-33910 34799-35052 380563-35484 36553-37367 38056-39110 2897-3814 2369-2501 2897-3814 2369-2501 2897-3814 2817-81286 11758-112386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 28297-24218 48366-11750 11753-12381 12778-13085 13236-133301 13323-16669 16700-17821 17883-18016 13172-19855 12206-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715						
HBJDZ49 9502 847928 AC005098 42368 1-1716						
HBJDZ49 9502 847928 AC005071 42370 1-1715 HBJDZ49 9502 847928 AC005071 42370 1-1715						
Barrier Barr						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 5649-5949 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 8376-11750 11753-12380 12333-16609 16700-17821 1788-18085 13236-13301 13333-16669 16700-17821 1788-18085 13236-13301 13333-16669 16700-17821 1788-18085 13215-18085 13236-13301 13333-16669 16700-17821 1788-18085 13236-13301 13333-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715						1
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 25062-23603 34799-35052 35063-3484 36553-37367 38056-39110 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-2501 2897-3814 25062-25003 24097-24218 45062-25062-25003 45062-25062-25003 45062-25062-25003 45062-25003 45062-25062-25062-25062-25062-25003 45062-2506					1	
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 5494-594 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 13337-17835 13337-1835 13336-22003 132097-24218 13333-4800 5647-5947 6621-7329 7834-8254 8376-11750 11753-12385 13236-13301 13333-16669 16700-17821 1778-13085 13333-16669 16700-17821 178331-21985 13236-13301 18317-21985 13236-16300 18317-21985 13236-16300 18317-21985 13226-23603 1HBJDZ49 9502 847928 AC005071 42370 1-1715 12229-2480						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 2368 2495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 2207-24218 42369 1-1716 2357-24218 42369 2831-3810 5393-5482 5492 5492 5492 5492 5492 5492 5492 549						
HBJDZ49 9502 847928 AC005098 42368 1-1716 3260-2501 2897-3814 5395-5482 5649-5949 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 HBJDZ49 9502 847928 AC004166 42369 1-1716 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 12495-1370 11753-12381 12778-13085 12495-1370 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 1783-13085 13236-13301 13323-16669 16700-17821 1783-18016 18317-21985 22062-23603 117155 12229-2480						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 5649-5949 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 31250-13315 13337-17835 17902-18103 18336-22003 22097-24218 HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 45395-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 1323-16669 16700-17821 17821 17881-1881 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 5649-5949 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13380 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715						
HBJDZ49 9502 847928 AC005098 42368 1-1716 2360-2501 2897-3814 5395-5482 5649-5949 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715					J	
HBJDZ49 HBJ	HBJDZ49	9502	847928	AC005098	42368	
HBJDZ49 9502 847928 AC005071 42370 1-1715 HBJDZ49 9502 847928 AC005071 42370 1-1715						
HBJDZ49 9502 847928 AC005071 42370 1-1715 15830-1394 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603						2897-3814
HBJDZ49 9502 847928 AC005071 42370 6624-7332 7837-8257 8530-11755 11758-12386 12495-12713 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						5395-5482
HBJDZ49 9502 847928 AC005071 42370 1-1715 HBJDZ49 9502 847928 AC005071 42370 1-1715						5649-5949
HBJDZ49 9502 847928 AC005071 42370 1-1715 HBJDZ49 9502 847928 AC005071 42370 1-1715	ŀ					
HBJDZ49 9502 847928 AC005071 42370 1-1715 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480	İ					7837-8257
HBJDZ49 9502 847928 AC004166 AC0	1		[
HBJDZ49 9502 847928 AC005071 42370 12792-13099 13250-13315 13337-17835 17902-18103 18336-22003 22097-24218 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480	į					
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC004166 42369 1-1716 2357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 A2357-2498 22357-2498 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603	HDID740	0502	0.47000	1.000.41.66	100.00	
HBJDZ49 2831-3810 5393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480	пвлодая	9502	847928	AC004166	42369	
HBJDZ49 9502 8393-5480 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480	-					
HBJDZ49 9502 847928 AC005071 42370 5647-5947 6621-7329 5647-5947 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603						
HBJDZ49 9502 6621-7329 7834-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480				ļ	·	
HBJDZ49 9502 R34-8254 8376-11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HBJDZ49 P502 R47928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 11750 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HCO05071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 11753-12381 11753-12381 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HC005071 42370 1-1715 2229-2480				-		
HBJDZ49 9502 847928 AC005071 42370 12778-13085 13236-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HC005071 42370 1-1715 2229-2480					[
HBJDZ49 9502 847928 AC005071 42370 13236-13301 13323-13301 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 HC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 13323-16669 16700-17821 17883-18016 18317-21985 22062-23603 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 16700-17821 17883-18016 18317-21985 22062-23603 HC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 22062-23603 2229-2480						
HBJDZ49 9502 847928 AC005071 42370 1-1715 2229-2480			1			
2229-2480	HBJDZ49	9502	847928	AC005071	42370	
						2882-3799

			·		
	ĺ				5384-5472
					5637-5962
					6637-7520
					7764-8274
					8396-12010
1					13347-14042
					14076-14293
					14296-17861
					17931-18121
HBJDZ49	9502	847928	AC061712	40071	18344-21358
11232247	3302	04/920	AC001/12	42371	1-103
					1368-1977
				Ì	2306-2726 2999-6224
					6227-6464
				İ	6951-7168
					7241-7548
					7582-7771
					7794-10119
HBJDZ49	9502	847928	AC007000	42372	1-2261
					2328-3085
					3093-6210
		-			6306-6555
					6630-8724
					9378-10405
İ					10433-10732
					10766-11172
ŀ			,		11591-11805
					12605-13216
HBJDZ49	9502	847928	AC006995	42373	1-719
HBJDZ49	9502	847928	AC073967	42374	1-528
HBJDZ49	9502	847928	AC006014	42375	1-979
HBJDZ49	9502	847928	AC007003	42376	1-614
HBJDZ49	9502	847928	AC007000	42377	1-35
					200-361
		·	ļ		374-4630
					4674-5056
HBJDZ49	9502	847928	A C072517	10070	5071-7020
HBJDZ49	9502	847928	AC073517	42378	1-583
HBJDZ49	9502	847928	AC006995 AC006014	42379	1-1659
1110310249	, 3302	04/920	AC006014	42380	1-929
					1161-4487
					4579-5506
<u> </u>	}				5664-5765 5979-9483
					10048-10856
					11336-11702
					12041-12251
]		12253-12463
:					13816-13903
					13917-14426
HBJDZ49	9502	847928	AC004878	42381	1-255
HBJDZ49	9502	847928	AC004878	42382	1-741
					818-1073
					1163-3038
HBJDZ49	9502	847928	AC004980	42383	1-293
HBJDZ49	9502	847928	AC004980	42384	1-1417

HBJDZ49	9502	847928	AC005073	42385	1-513
112022.5	7502	047528	AC003073	72363	2138-2341
					1
				-	2878-3828 4039-4407
					4438-5711
1	1				6598-6908
					6969-7501
					7547-7645
-					7882-8496
					8569-9146
					9288-11595
					11642-11927
					12146-12299
	į				12591-12757
	į				13029-13369
					13719-14460
			-		14563-14623
					14696-15271
					15352-16582
			1		16831-17249
					17276-17914
					17947-18016
					18327-19493
					19719-20635
					21271-22015
					22432-22985
					23034-23359
				Ì	24795-25234
					26499-26923
				ŀ	27475-28264
					28742-29110
					29565-29655
					29657-29867
		ļ	j		30539-30779
TID ID 7740	0.500	0.45000			31272-31718
HBJDZ49	9502	847928	AC005073	42386	1-257
HBJDZ49	9502	847928	AC018720	42387	1-1380
HBJDZ49	9502	847928	AC006480	42388	1-1207
HBJDZ49	9502	847928	AC006480	42389	1-327
HBJDZ49	9502	847928	AF030453	42390	1-583
HBJDZ49	9502	847928	AF030453	42391	1-3119
					3130-4112
HBJDZ49	9502	847928	AC004867	42392	1-868
					1145-2855
ĺ	1				2954-4494
					4586-5798
					5910-9476
					10040-10848
	1	1	1	1	11092-11171
				{	11330-11695
					12154-12509
					13065-13372
					13935-14448
HBJDZ49	9502	847928	AC004867	42393	1-583
					834-1954
HBJDZ49	9502	847928	AC005088	42394	1-583
HBJDZ49	9502	847928	AC005088	42395	1-3121
		1071720	122002000	T4J7J	1-3121

HBJDZ49	9502	847928	AC005488	42396	3128-4110 1-867
нвлогия	9502	84/928	AC005488	42396	
		Ī	ı		1144 0050
			i		1144-2852
					2949-4487
1	}				4579-5789
					5978-9485
1	l				10048-10911
ļ					11334-11700
	1				12034-12509
					13205-13321
					13907-14417
HBJDZ49	9502	847928	AC005488	42397	1-735
					738-975
HBJDZ49	9502	847928	AC005098	42398	1-866
					1143-2850
					2949-4489
	ľ	1			4581-5793
					5905-8184
i					8255-9460
			,		10026-10834
					11078-11157
]		1		
					11307-11672
					12131-12486
					13183-13299
HBJDZ49	9502	847928	AC005098	42200	13912-14426
HBJDZ49	9502	847928	AC003098 AC004166	42399	1-937
11000247	9502	04/920	AC004100	42400	1-868
		1			1146-2858
					2957-4497
					4589-5801
					5913-9479
					10043-10851
					11095-11174
		,			11333-11698
				i	12157-12512
HBJDZ49	0500				13938-14451
HBJDZ49	9502	847928	AC004166	42401	1-583
IID ID 7740	0.500	_			834-1954
HBJDZ49	9502	847928	AC005071	42402	1-896
HBJDZ49	9502	847928	AC061712	42403	1-1123
					1396-3493
l			1		3581-3836
					3838-7040
					7048-8923
HBJDZ49	9502	847928	AC005071	42404	1-513
					2138-2341
					2878-3828
		1			4039-4407
					1
					6969-7501
				J	1 3
					1
	•	1	1		1 3
[1	l l	i .	9/88-115051
					9288-11595 11642-11927
					2878-382: 4039-440; 4438-571; 6609-690; 6969-750; 7547-764; 7882-849; 8569-914;

1	İ				12591-12757
					13029-13369
1					13719-14460
1					14563-14623
					14709-15271
					15352-16582
					16831-17249
					17276-17914
					17947-18016
1					18327-19493
					19719-20635
					21586-21816
					24795-25126
	1				26501-26923
					27475-28264
					28742-29110
•					29565-29655
					29657-29867
TIDIDDO4	0.503				31272-31718
HBJDR24 HBJDR24	9503	677407	AC009951	42405	1-642
HBJDR24	9503	677407	AC009951	42406	1-327
пылки	9503	677407	AC009951	42407	1-486
IID ID COC	0504	504654	17.100.710		993-1122
HBJDQ86	9504	784654	AL133548	42408	1-50
					3009-3073
		1			4198-4253
			1	İ	5692-5831
					6776-6827
					8851-8970
					9968-10050
					12598-12974
1	ĺ				13262-13364
					16417-16776
IIDIDOOG	0504				19112-20566
HBJDQ86	9504	784654	AL133548	42409	1-1017
HBJDM70	9505	757435	AC010894	42410	1-380
HBJDM70	9505	757435	AC010894	42411	1-502
HBJDL24	9506	678272	AC008675	42412	1-996
HBJDL24	9506	678272	AC008675	42413	1-300
HBJCQ65	9508	876430	AF192303	42414	1-1230
					1271-3810
HBJCJ82	9509	779645	AL161456	42415	1-1118
HBJCJ82	9509	779645	AL158075	42416	1-1523
HBJCJ82	9509	779645	AL158075	42417	1-853
					1340-2553
HBJCJ82	9509	779645	AL158075	42418	1-482
HBJCE07	9510	954090	AC025605	42419	1-357
					443-919
HBJCE07	9510	954090	AC073101	42420	1-357
HBJCE07	9510	954090	AC025605	42421	1-653
HBJCE07	9510	954090	AC073101	42422	1-233
HBJCE07	9510	954090	AC073101	42423	1-420
HBJBR04	9512	847952	AC005682	42424	1-458
HBJBR04	9512	847952	AC005682	42425	1-373
HBJAP95	9513	796659	AL138715	42426	1-1044
HBJAP95	9513	796659	AL031601	42427	
		1,000.59	775021001	72421	1-590
L			—-J.—	<u></u>	1338-1600

HBJAP95 HBJAP95	9513	796659	AT 100716	10.100	2644-3247
HBJAP95		170039	AL138715	42428	1-717
	9513	796659	AL138715	42429	1-265
HBJAP95	9513	796659	AL031601	42430	1-706
HBJAJ49	9515	723164	AC078846	42431	1-416
					1103-1882
HBJAJ49	9515	723164	AC078846	42432	1-116
HBJAH27	9517	682941	AC016325	42433	1-69
					560-632
					2298-2395
					2510-2613
					3563-3801
					5031-5598
					5763-5801
HBJAE32	9518	699695	AC044843	42434	1-487
					983-1447
HBJAE32	9518	699695	AC008525	42435	1-487
TTD T 1 770 0					983-1447
HBJAE32	9518	699695	AC008525	42436	1-337
HBJAB49	9520	722195	AF276759	42437	1-1613
HBJAB49	9520	722195	AC019031	42438	1-1613
HBJAB49	9520	722195	AF276759	42439	1-561
HBJAB49	9520	722195	AC019031	42440	1-561
HBJAB28	9521	847966	AC023071	42441	1-736
HBJAB15	9522	660552	AP001931	42442	1-1266
HBJAB15	9522	660552	AP000727	42443	1-1264
HBJAB15	9522	660552	AP001931	42444	1-366
HBJAB15	9522	660552	AP001931	42445	1-308
HBJAB15	9522	660552	AP000727	42446	1-366
HBJAB15	9522	660552	AP000727	42447	1-308
HBDAE47	9523	720008	AL353776	42448	1-1591
HBDAE47	9523	720008	AL353776	42449	1-490
HBDAD16	9525	661560	AC013396	42450	1-1371
HBDAD16	9525	661560	AC013396	42451	1-296
HBDAD16	9525	661560	AC013396	42452	1-204
HBCCO10	9526	963157	AC009634	42453	1-575
HBCCO10	9526	963157	AC011721	42454	1-575
HBCCO10	9526	963157	AC009634	42455	1-206
HBCCO10	9526	963157	AC011721	42456	1-206
HBCCO10	9526	963157	AC011721	42457	1-86
HBCCJ05	9527	930956	AC068322	42458	1-600
HBCCJ05	9527	930956	AC027243	42459	1-600
HBCCJ05	9527	930956	AC024059	42460	1-600
HBCCJ05	9527	930956	AC010868	42461	1-584
HBCCJ05	9527	930956	AC068322	42462	1-424
HBCCJ05	9527	930956	AC027243	42463	1-456
HBCCJ05	9527	930956	AC068322	42464	1-460 1112-1585
HBCCJ05	9527	930956	AC027243	42465	1-460 1112-1585
HBCCJ05	9527	930956	AC024059	42466	1-456
HBCCJ05	9527	930956	AC010868	42467	1-385
HBCCJ05	9527	930956	AC010868	42468	1-385
HBCCD06	9529	938319	AC010808 AC007783	42469	1-333
		750517	12007765	72707	2508-3084
					3578-3890

1					4198-4294
					4376-4623
					4712-5349
		İ			5369-6088
					6527-7107
					7298-7392
					7730-7846
					9147-9476 10487-10575
					10791-11298
				ļ	11485-11601
					11783-13009
					13207-13501
					13540-13772
					14439-14800
					14923-14983
					15133-15355
					15485-15653
					16750-16805
					16894-17078
					17162-17219
1					18003-18089
					21085-21146
					21358-21501
HBCCD06	9529	938319	AC007783	42470	1-308
HBCCD06	9529	938319	AC007783	42471	1-1024
HBCCB51	9530	975256	AL139353	42472	1-71
					265-794
					1791-2077
7177 6777 751					2409-2656
HBCBN51	9532	952057	AC073846	42473	1-141
				·	323-951
1		1			1073-1625
HBCBN51	0522	052057	4 0072046	10.15.4	1640-2371
HBCBF12	9532 9535	952057	AC073846	42474	1-285
HBCBF12		969578	AC068735	42475	1-530
HBCBF12	9535	969578	AC021725	42476	1-534
IIBCBF12	9535	969578	AL021368	42477	1-382
					762-1102
HBCBF12	9535	969578	AC068735	42478	1231-1761
HBCBF12	9535	969578	AC008733 AC021725	42478	1-342
HBCBF12	9535	969578	AC068735		1-342
HBCBF12	9535	969578	AC008733 AC021725	42480 42481	1-659
HBCBF12	9535	969578	AL021723 AL021368	42481	1-679
HBCBF12	9535	969578	AL021368 AL021368	42482	1-664
HBCBE57	9536	848322	AL031666	42484	1-307
HBCBE57	9536	848322	AL031666	42484	1-1235
HBCBE57	9536	848322	AL031666	42486	1-508
HBCBB22	9537	848325	AC010735	42487	1-648
HBCAT10	9539	968195	AL357521	42488	1-900
HBCAT10	9539	968195	AL337321 AL021528		1-374
HBCAT10	9539	968195	AL357521	42489	1-374
HBCAT10	9539	968195	AL357521 AL357521	42490	1-689
HBCAT10	9539	968195	AL337321 AL021528	42491	1-355
HBCAT10	9539	968195		42492	1-689
IDCALIO	3333	1 200123	AL021528	42493	1-355

HBCAS32	9540	699489	AC007101	42494	1.215
1	7540	055405	ACOUTION	42494	1-215
					867-1214 1226-2260
1					2359-2415
HBCAQ85	9541	783431	AC019071	42495 .	1-831
		1.00.51	710013071	42495 .	1116-1365
			1		1600-1920
}	1				2161-2334
					2902-3156
		•			3364-3836
					4074-4278
					4306-4417
					4485-4581
					4693-4853
					4995-5264
					5758-5863
					6411-6509
					6551-6922
HBCAQ85	9541	783431	AC019071	42496	1-412
HASCG58	9543	738423	AC011116	42497	1-869
HASCG58	9543	738423	AC078794	42498	1-870
HASCG58	9543	738423	AC011116	42499	1-971
HASCG58	9543	738423	AC078794	42500	1-623
HASCG58	9543	738423	AC011116	42501	1-623
HASAW90	9544	789112	AC010234	42502	1-2931
HASAW90	9544	789112	AC021464	42503	1-58
					332-547
					909-1209
					2280-2634
					3445-3539
					4477-4620
					7577-10496
					12087-13447
			1		13462-15091
TTAGATTTOG					15142-16137
HASAW90	9544	789112	AC021464	42504	1-506
HASAC10	9546	968746	AC007677	42505	1-477
HASAC10	9546	968746	AC007677	42506	1-1410

[052] Table 1B summarizes additional polynucleotides encompassed by the invention (including cDNA clones related to the sequences (Clone ID NO:Z), contig sequences (contig identifier (Contig ID:) contig nucleotide sequence identifiers (SEQ ID NO:X)), and genomic sequences (SEQ ID NO:B). The first column provides a unique clone identifier, "Clone ID NO:Z", for a cDNA clone related to each contig sequence. The second column provides the sequence identifier, "SEQ ID NO:X", for each contig sequence. The third column provides a unique contig identifier, "Contig ID:" for each contig sequence. The fourth column, provides a BAC identifier "BAC ID NO:A" for the BAC clone referenced in the corresponding row of the table. The fifth column provides the nucleotide sequence identifier, "SEQ ID NO:B" for a fragment of the BAC clone identified in column four of the corresponding row of the table. The sixth column, "Exon From-To", provides the location (i.e., nucleotide position numbers) within the polynucleotide sequence of SEQ ID NO:B which delineate certain polynucleotides of the invention that are also exemplary members of polynucleotide sequences that encode polypeptides of the invention (e.g., polypeptides containing amino acid sequences encoded by the polynucleotide sequences delineated in column six, and fragments and variants thereof).

TABLE 2

Clone ID	Contig	SEO	Analysis	PFam/NR Description	Diom/MD Assession	να	* 1773	
NO:Z	D:	NO.	Method		Number	Score/ Percent	IN I From	NI IO
HAMHB21	961376	11	HMMER 2.1.1	PFAM: RhoGAP domain	PF00620	100	497	916
HBDAC79	935414	26	HMMER 2.1.1	PFAM: Acyl-CoA dehydrogenase	PF00441	102.6	94	342
			blastx.14	(AL021958) fadE9	gi 2911026 emb CAA	62%	94	255
				[Mycobacterium	17519.1	51%	. 250	384
				tuberculosis]		64%	348	422
HRIAG72	777773	2.0	UNACED	DEANG 7: 1: 1:	000000	35%	9	68
	(7)	3 C	1.8	rr Alvi: Zinc-binding metalloprotease domain	FF00099	2.32	83	115
HBJGT92	919507	107	HMMER 1.8	PFAM: Bacterial mutT protein	PF00293	7.68	377	436
HBJIY20	669519	141	HMMER 2.1.1	PFAM: Orn/Lys/Arg decarboxylase	PF01276	53.1	49	162
.HBMBU24	677240	234	HMMER 1.8	PFAM: Core histones H2A, H2B, H3 and H4	PF00125	7.72	139	192
HBMBZ71	880580	238	HMMER 1.8	PFAM: von Willebrand factor type D domain	PF00094	26.52	200	526
HBMDC16	888206	258	blastx.2	Butyrophilin-like protein BUTR-1.	sp AAF72554 AAF72 554	20%	19	315
HBMU090	928078	294	blastx.14	Zfp61p [Mus musculus]	gi 887887 gb AAC52	84%	24	119
HBMXE31	573323	317	HMMER 1.8	PFAM: Gonadotropin- releasing hormones	PF00446	10.78	112	141
HCFCF47	894415	372	HMMER 1.8	protein	PF00069	89.54	20	295
HCFCJ21	671028	374	HMMER	PFAM: Core histones	PF00125	12.79	123	188

		1.8	H2A H2B H3 and H4				
945122	2 391	blastx.14	p34 protein [Rattus sp.]	gi[534876 dbj BAA02	81%	126	191
				786.1	100%	236	271
953876	6 449	blastx.14	(AF079098) arginine- tRNA-protein transferase 1-1p; ATE1-1p [Homo	gi 3806094 gb AAD1 2366.1	87%	ν .	97
967484	4 478	blastx.14	Ps 2=basic proline-rich	gi 386433 gb AAB27	37%	158	63
			protein(PRB1L precursor	289.1	53%	62	24
			1 1 [Homo sapiens]		35%	325	242
					40%	133	59
					78%	158	63
					40%	133	59
					36%	225	160
					36%	225	160
					41%	74	24
					41%	74	24
	_				32%	325	242
					33%	158	87
					36%	158	93
					36%	183	118
					71%	44	24
	 .				71%	44	24
1571	\dagger				35%	74	24
915/42		HMMER 2.1.1	PFAM: tRNA synthetases class II (A)	PF01411	35.1	269	930
	-	blastx.14	ORF YNL040w	gi 1301892 emb CAA	42%	763	972
			Saccharomyces	95907.1	52%	658	759
			cerevisiae		31%	1153	1293
					42%	1678	1740

1149	1494	42	226	284	-	73		387	83	3 %	301	275	51	179	222	257	166	65	8	291	266	306
1009	1273	13	173	102		2		316	235	70	32.1	45	13	6	202	228	65	6	316	344	153	262
21%	20%	5.43	7.99	73.02	!	4.81		3.55	47%	46%	71%	78.2	6.77	63%	85%	%09	85%	84%	%65	55%	79%	46%
		PF00196	PF00020	PF00106		PF00505		PF00018	gi 1653272 dbi BAA1	8187.1	-	PF01514	PF00010	gi 42759 emb CAA25	537.1		gi 1655655 emb CAB	03723.1	gi 43952 emb CAA43	389.1	gi 309183 gb AAA37	443.1
		PFAM: Bacterial regulatory proteins, luxR family	PFAM: TNFR/NGFR cysteine-rich region	PFAM: Alcohol/other	dehydrogenases, short chain tyne	PFAM: HMG (high	mobility group) box	PFAM: Src homology domain 3	hypothetical protein	[Synechocystis sp.]		PFAM: Secretory protein of YscJ/FliF family	PFAM: Helix-loop-helix DNA-binding domain	URF (pot. 4.5S protein)	[Escherichia coli]		lepA [Mycobacterium	tuberculosis	xylose isomerase	Klebsiella pneumoniae	collagen type XVII [Mus	musculus
	and of all	HMMEK 1.8	HMMER 1.8	HMMER	1.8	HMMER	1.8	HMMER 1.8	blastx.14			HMMER 2.1.1	HMMER 1.8	blastx.14			blastx.14		blastx.14		blastx.14	
_	202	565	647	029		702		748	759			782	799	608		6	810		812	200	825	
	020020	904837	880730	706471	· · · · · · · · · · · · · · · · · · ·	615198		702435	932623			667283	968515	967717		00000	934909		921653	001/00	924638	
	LICITEI 110	ncoeo10	HCUGB48	HCUGR38		HCUHM44	00211111011	HCWAK80	HCWAR05		-	HCWBB63	HCWBE76	HCWBI37		Troumpto	HCWB153	110110100	HCWBI90	TOWN	HC WBINU6	

	46		357			287		264	381	1,	150	071	198)		168	179	215	200	373	477	613		84
	C 77	050	310	337	78	147	33	31	229		11.7	2	25			121	15	6	18	281	. 391	416		365
7023	36%	46%	43%	75%	42%	42%	54%	69.62	80	/000	%78		27.3			4.63	62.98	%69	44%	51%	41%	81.59		79%
						gi 536588 emb CAA8	5172.1	PF00501	PF01991	C 1 A GI: 415 105 05 05 05 05 05 05 05 05 05 05 05 05 0	842300070 u0] DAA2 2622.1	_	PF00497			PF00099	PF00005	gb AAC76377.1				PF00196	-	gi[151190 gb AAA25
						ORF YBR208c	[Saccharomyces cerevisiae]	PFAM: AMP-binding enzymes	PFAM: ATP synthase (F/31 kDa) enhumit	tetracycline transporter	like protein [Mus	musculus]	PFAM: Bacterial	extracellular solute-	binding proteins, family 3	PFAM: Zinc-binding metalloprotease domain	PFAM: ABC transporters	(AE000411) putative	ATP-binding component	of a transport system	[Escherichia coli]	PFAM: Bacterial	regulatory proteins, luxR family	copC peptide
						blastx.14	~~~	HMMER 1.8	HMMER 211	blastx 14			HMMER	2.1.1		HMMER 1.8	HMMER 1.8	blastx.2				HMMER	1.8	blastx.14
						834		891	606	945	<u>:</u>		952			957	973					993		1014
						988026		529230	693632	924632			527555			889416	839104					974478		967361
						HCWBQ03		HCWCM65	HCWCR31	HCWDI64			HCWDJ23			HCWDL45	HCWDR01					HCWDV17		HCWDX22

358	232	59	64	212		86	45	6	273		10				171	249		39	7	177		177	40	186		242	!
423	44	6	38	481		57	248	99	226		300				34	193		365	57	37		37	. 2	37		3	<u> </u>
81%	20%	28%	55%	75%		2.79	55%	87%	9.8		75%				39%	47%		54%	47%	72.08		100%	%99	10.32		32%	
808.1	gi 4378174 gb AAD1	9419.1		gi 56463 emb CAA68	1,25.1	PF00099	gi 557259 emb CAA5	7572.1	PF00099		gi 887431 emb CAA5	2057.1			gi 3128267 gb AAC1	6119.1		gi 2635409 emb CAB	14904.1	PF00270		gi 2443870 gb AAB8	1544.1	PF00183		gi 3724045 emb CAA	04314.1
[Pseudomonas syringae]	(AF102543) unknown	[Zymomonas mobilis]		gp210 (AA 1-1886) [Raffus normenicus]	DEANGE TO VETCHS	FFAIM: Zinc-binding metalloprotease domain	orf3 [Pseudomonas	aeruginosa]	PFAM: Zinc-binding	metalloprotease domain	formaldehyde	dehydrogenase	(glutathione) [Escherichia	coli]	(AF010496) exonuclease	SbcD homolog	Khodobacter capsulatus	argininosuccinate lyase	[Bacillus subtilis]	PFAM: DEAD and	DEAH box helicases	(AC002985) R27090_2	[Homo sapiens]	PFAM: Heat shock hsp90	proteins	(AJ000758) precorrin-4	methylase [Bacillus
	blastx.14			blastx.14	INAKED	niwimen 1.8	blastx.14		HMMER	1.8	blastx.14				blastx.14			blastx.14		HMMER	N. 8	blastx.14		HMMER	1.8	blastx.14	7400
	1019			1041	1050	001	•		1066						1086			9601	,	1105				11116		1125	
	932614		1	971865	048603	240023			948690						916972			920887	2,0000	908245				571355		954142	
) HIN CHANGE	HCWDX/6		TO CHILLIANDIA	HCWED61	HCWEG60				HCWEI19						HCWEL01		TI CHILD	HCWEMSI	TIOM WITH	HCWEQ14				HCWEW45		HCWEY34	

181	270	152	269	236	288	09	137		158	314	211	301	393	394	112
140	34	105	105	126	214	137	9)	9	195	59	56	298	341	89
4.92	36.2	4.51	71.4	50.8	4.04	73%	58.7		%98	47%	33%	41%	46%	20%	2.09
PF00018	PF00562	PF00271	PF00171	PF01197	PF00293	pir A37334 A37334	PF00165		gi 148382 gb AAA24 811.11	gi 1736771 dbj BAA1	5920.1	gi 736300 emb CAA8	8644.1		PF00130
PFAM: Src homology domain 3	PFAM: RNA polymerase beta subunit	PFAM: Helicases conserved C-terminal	domain PFAM: Aldehyde dehydrogenase family	PFAM: Ribosomal protein L31	PFAM: Bacterial mutT	L-lactate dehydrogenase (EC 1.1.1.27) - Acinetohacter 1	PFAM: Bacterial	regulatory helix-loop- helix proteins, araC family	operon regulatory protein Erwinia carotovoral		2.7.3). [Escherichia coli]	Isp42p [Saccharomyces	cerevisiae]		PFAM: Phorbol esters / diacylglycerol binding domain
HMMER 1.8	HMMER 2.1.1	HMMER 1.8	HMMER 2.1.1	HMMER 2.1.1	HMMER 1.8	blastx.14	HMMER	1.8	blastx.14	blastx.14		blastx.14			HMMER 1.8
1143	1149	1186	1196	1217	1223	1262	1288	···		1295		1305			1334
506577	861907	690751	853005	861843	790796	964088	960159			8890/6		953384			598510
HCWFF88	HCWFK57	HCWFT29	HCWFU66	HCWGB78	HCWGE12	HCWGW12	HCWGY90			HCWHB12		HCWHD07		, maining i	HCWHP/4

14 206 126	253	218	308	265	148	148	148	148	6	6	252	104	6	6	107	252	160	160	252	107	107	249	15	163	27
85 271 209	300 291	238	141	107	261	327	261	261	122	122	329	157	104	107	142	305	249	249	305	157	157	311	107	246	83
50% 45% 35%	43%	85%	39.4	90.5	57%	45%	20%	20%	36%	34%	61%	25%	40%	33%	%99	25%	26%	79%	44%	41%	41%	33%	22%	32%	57%
gi 4584539 emb CAB 40769.1			PF00795	PF00327	gi 3510629 gb AAC8	0285.1							,								-				gi 1335196 emb CAA
(AL049608) extensin-like protein [Arabidopsis thaliana]			PFAM: Carbon-nitrogen hydrolase	PFAM: Ribosomal protein L30p/L7e	(AF047828) syringomycin	synthetase [Pseudomonas	syringae pv. syringae]																		pot. ORF I [Homo
blastx.14			HMMER 2.1.1	HMMER 2.1.1	blastx.14					**			7.11						. "					\top	blastx.14
1336	****	1,00	1337	1343	1349																			000	1388
924187		0.00	574945	935419	924105		·							_										00000	939388
нсмно03		11CHILLO11	нсмнүзі	HCWHR81	HCWHT59				-				-											UCW/IVE00	IIC W NF US

				sapiens]	26917.1	62%		256
						32% 47%	192	179
959380 1409 blastx.14 Ceol	blastx.14		Ceo]	CeoB [Burkholderia	gi 2109271 gb AAB5	55%		169
cepacia	cepac	cepac	cepac	ıa]	8161.1	20%		83
-		_				62%	-	258
959801 1427 hlastx 14 (AI	blastx 14	+-	\A\	(AT 121600) hypothetical	mil600032412mLLCAD	54%	61	29
1.01da10.121.1	0143LA-14		<u> </u>	L121000) IIypouleucai 240in CCE76 00 1	g10002364 emb CAB	34%	219	142
		ord —	<u>d</u> _	protein SCF /6.09 1	56/29.1	42%	120	43
110040 14	110040 14	†		10% 11		57%	238	218
1437 DIASUX.14	olastx.14		<u> </u>	OKF_0485 [Escherichia	gi 887832 gb AAA83	47%	240	7
	03	03	S		063.1	42%	446	282
,	,	\dashv				35%	99	7
900093 1442 blastx.14 $($	blastx.14		<u>.</u>	(AF039571) peripheral	gi 4104812 gb AAD1	100%	126	263
90 -	<u>.</u>	<u>.</u>	<u>.</u> گ	benzodiazepine receptor	1957.1	85%	304	345
		H (= =	interacting protein; PBR-		87%	103	126
	IP/	IP/	IF.	IP/PKAX1 [Homo		44%	99	119
		\dagger	Sap	sapiens		36%	250	315
939438 1453 blastx.14 (A(blastx.14		(A	(AC004877) sco-spondin-	gi 3638957 gb AAC3	27%	289	191
	m P9	m P9	E 6	mucin-like; similar to P98167 1 sapiens]	6301.1	71%	326	306
1462 blastx.14 1	blastx.14		口田	DNA primase Escherichia coli	gi 147755 gb AAA24 600.11	45%	341	3
853009 1470 HMMER P	HMMER 1.8	IMER	Д	PFAM: E1-E2 ATPases	PF00122	55.15	2	301
blastx.2 ca			22 rd -	cadmium resistance protein [Lactococcus	gb AAB37345.1	42%	2	316
958791 1516 blacty 14 (blacty 14	+	3 2	(AE000808) moleto	000000000000000000000000000000000000000			
LI VICTO	014344.17		5 8 Z	(ALVOVOSO) maiate dehydrogenase [Methanobacterium	gi/2022314 gb AAB8 5694.1	43%	182	134
			1					

s inal	PFAM: Helicases	HMMER 1.8	1517	
	oncoming C tomin	ر 	_	
	domain			
specific PF00389 .	PFAM: D-isomer specific 2-hydroxyacid	P	HMMER P 1.8 2	
	dehydrogenases	وا	十	
ling PF00099	PFAM: Zinc-binding metalloprotease domain	<u> </u>	HMMER F	
	(AF038963) RNA	<u></u>	blastx.14 (_
apiens] 9826.1	helicase [Homo sapiens]	<u> </u>	he he	he
lv DE00854	PFAM POT family	٦	+	+
	raint, i Ot tailiity	<u>-</u>	2.1.1	2.1.1
P gb AAD24570.1 AF1 n [Mus 21080_1	(AF121080) cAMP inducible 1 protein [Mus musculus]			
family PF01433	PFAM: Peptidase family M1	PF. M1	HMMER PH 2.1.1	
domain PF00621	PFAM: RhoGEF domain	PI		
2 gi 5020264 gb AAD3	(AF151363) Cdc42 GTPase-activating profein	₹ 5	blastx.14 (A	
	Mus musculus]		2	
2 [Mus gi 3941737 gb AAC8	(AF109719) BAT2 [Mus	₹ €	blastx.14 (A	
	E101000 - 414		blooty 7	1
gb AAD24570.1 AF1	(AF121080) CAMP inducible 1 protein Mus	⊐. ت		Diastx.2
	musculus]	듸	Ţ	I

959653 1750 HMMER 1.8
909091 1755 HMMER PFAM: BTB/POZ domain 2.1.1
582015 1775 blastx.2 (AF038007) FIC1 [Homo sapiens]
912722 1780 HMMER PFAM: Ras family 1.8 (contains ATP/GTP hinding P-local)
blastx.2 rab-related GTP-binding
934520 1788 HMMER PFAM: Eukaryotic protein
blastx.14 HUMAN NDR [unidentified]
792193 1797 HMMER PFAM: EF hand 1.8
812091 1815 HMMER PFAM: Fes/CIP4 2.1.1 homology domain
951276 1818 HMMER PFAM: Lectin C-type 1.8 domain short and long forms
919404 1837 blastx.14 ORF YGR090w [Saccharomyces cerevisiae]
961323 1849 blastx.14 reverse transcriptase [Homo sapiens]
722699 1868 HMMER PFAM: IG 1.8 (immunoglobulin)

	3 613	302	756	152		217			358	216	201	455				215			2	43	310
	518	412	349	3	316	140	254	425	305	239	248	490	387	9/	253	256	45	51	47	2	59
	16	81.2	36%	94%	87%	%08	%56	62%	33%	75%	37%	28%	43%	100%	55%	42%	28%	83%	51%	71%	40%
	PF00169	PF00169	gb AAD04568.1	gi 4335941 gb AAD1	7527.1					gi 3413810 emb CAA 76598.1	gi 29375 emb CAA78 744.1	gi 4104812 gb AAD1	1957.1	-					gi 1389694 gb AAB0	2905.1	emb CAA56339.11
superfamily	PFAM: PH (pleckstrin homology) domain	PFAM: PH domain	(AF102854) membrane- associated guanylate kinase-interacting protein 2 Maguin-2 [Rattus	(AF061738) leucine	aminopeptidase [Homo	sapiens]				Bassoon [Mus musculus]	Bat2 [Homo sapiens]	(AF039571) peripheral	benzodiazepine receptor	interacting protein; PBR-	IP/PRAX1 [Homo	sapiens]			fractionated X-irradiation-	induced 29 thymoma [Mus musculus]	cysteine rich hair keratin
	HMMER. 1.8	HMMER 2.1.1	blastx.2	blastx.14					Adam Adam and Adam an	blastx.14	blastx.14	blastx.14							blastx.14		blastx.2
_	1877	1890		1894						1914	1936	1944							1945		1946
	966556	909916		915964						927024	909848	963481					,149		961336		879416
	HDPVG11	HDPWE80		HDPWY46						HDQEF04	HDQGT70	НБОНТ10	·				•		HDQHZ10		HDQHZ22

65 352	78 . 254	79 255 330 371 371 403		132 248 273 356 357 464		3 302	3 170 192 458	180 233	244 354		
42%	%86	98% 85% 100%	18.53	58% 75% 58%	29.85	93.6	35%	7.98	78%	31.58	
	gi 3800869 gb AAC6 8900.1	gi 3800869 gb AAC6 8900.1	PF00047	emb CAA08796.1	PF00085	PF00069	gi 1517820 gb AAC5 0918.1	PF00125	gi 919 emb CAA3980	PF00076	
associated protein [Oryctolagus cuniculus]	(AF086624) serine threonine kinase [Rattus norvegicus]	(AF086624) serine threonine kinase [Rattus norvegicus]	PFAM: IG (immunoglobulin) superfamily	(AJ009698) embigin protein [Rattus norvegicus]	PFAM: Thioredoxins	PFAM: Eukaryotic protein kinase domain	p56 KKIAMRE protein kinase [Homo sapiens]	PFAM: Core histones H2A, H2B, H3 and H4	rab4b [Canis familiaris]	PFAM: RNA recognition motif. (aka RRM, RBD, or RNP domain)	
	blastx.14	blastx.14	HMMER 1.8	blastx	HMMER 1.8	HMMER 2.1.1	blastx.14	HMMER 1.8	blastx.14	HMMER 1.8	1.12
	1956	9561	1959		1968	1973	***************************************	1977	1984	1987	
	973925	974565	945083		846630	934472	W	916348	912765	964709	
	HDTAY23	HDTAY23	HDTB048		HDTBR50	HDTBY88		HDTDC53	HDTEI19	HDTES50	

	612	168	101	216	49	49	371	430	389	341	341	389	344	356	344	674	320	554	245	457	547	553	457	442	554	105
	4	100	45	172	2	5	318	407	45	45	33	45	45	48	45	18	18	09	18	347	347	338	374	338	519	215
	97%	43%	42%	46%	43%	40%	38%	7.07	46%	53%	20%	45%	47%	49%	46%	33%	42%	34%	21%	57%	37%	32%	20%	47%	%99	61%
	gi 1665781 dbj BAA1 3387.1	gi 3638957 gb AAC3	6301.1					PF00096	dbj BAA92059.1	•																obl A A C 08737 11
nrotein [Homo caniens]	Similar to a C.elegans protein encoded in cosmid C27F2 (U40419) [Homo sapiens]	(AC004877) sco-spondin-	mucin-like; similar to	P98167 1 sapiens]				PFAM: Zinc finger, C2H2 type	(AK002053) unnamed	protein product [Homo	sapiens]											*******				(AF010144) neuronal
	blastx.14	blastx.14						HMMER 1.8	blastx.2								*						***************************************			blastx.2
	2009	2012						2016																	1,30	2017
	923899	699156						908946																	00000	883070
	HDTHQ15	HDTHZ46				***************************************		HDIID61																	TIP TIPO 1	HD11F01

			[Homo saniens]				,
			[crrotdma outrory]		02%	361	507
					62%	34	162
					%09	53	172
		M-2 -			41%	304	507
					35%	286	507
					40%	327	473
				-	20%	50	151
					21%	68	166
					47%	109	171
				- 44	37%	308	379
1000	0000				52%	128	178
HD11244 9255/4	2032	blastx.14	procollagen alpha 2(V)	gi 2370202 emb CAA	43%	11	6
			[Homo sapiens]	75002.1	40%	68	6
					37%	68	6
					21%	229	188
					47%	183	133
					%09	135	106
					47%	328	278
					75%	165	142
					%09	121	92
					43%	139	92
					54%	165	133
					%09	162	133
7,0000		3 61			54%	226	194
/99834	2036	HMMER 1.8	PFAM: Laminin B (Domain IV)	PF00052	2.02	386	466
HDTJJ02 913787 2	2037	HMMER		PF00130	5.7	21	89
		1.8	diacylglycerol binding domain				
HDTKQ14 886936 2	2044	HMMER	Src homology	PF00018	12.87	430	546

٠	555	222	636	399	399	399	411	369	381	989	324	641	695	695	695	569	578	605	695	569	995	569	695	636	989	651	642	,
	439	154	49	49	49	70	49	49	70	115	49	372	375	375	375	372	372	372	375	279	372	375	375	547	547	538	547	יוני
	100%	96.3	48%	65%	%99	%99	%59	62%	64%	47%	28%	42%	20%	47%	47%	48%	43%	42%	46%	35%	43%	43%	46%	63%	63%	52%	26%	250%
	emb CAB41255.1	PF00096	emb CAA38920.1															-										
domain 3	(AL049683) hypothetical profein [Homo saniens]	PFAM: Zinc finger, C2H2 type	Zfp-29 [Mus musculus]																					-	-	***************************************		
1.8	blastx.2	HMMER 2.1.1	blastx.2								**																	
		2052																										
		908601																										
		HDTLD17									,																	

199	428	303	228	92	41	148	437	246	173	207	210				198		230	91	233	9	174	241	312	533	629
641	460	338	290	154	82	219	294	136	129	172	10				320		274	129	271	44	206	44	247	213	6
%99	%89	20%	33%	38%	. 20%	29%	%02	40%	93%	83%	52%				73%		53%	38%	53%	30%	27%	46%	20%	42.5	%96
	gi 1869859 emb CAB	06722.1					gi 1825586 gb AAB4	2222.1	gi 3043919 gb AAC1	3265.1	gi 4426837 gb AAD2	0564.1		1 1 10000011	gl179339 gb AAA35	585.1	gi 1247469 emb CAA	01862.1				pir B25313 GNLRL1		PF00169	emb CAB65966.1
	very large tegument	protein [human	herpesvirus 2]				contains similarity to C2	domains [Caenorhabditis elegans]	(AF034970) docking	protein [Homo sapiens]	(AF108420) 1-	aminocyclopropane-	Carboxilate synthase	III A D CCC : 11 J	nLA-b-associated	transcript 2 (BAT2) [Homo sapiens]	TGR-CL5bis [Homo	sapiens]				retrovirus-related reverse	transcriptase pseudogene - slow loris	PFAM: PH domain	(AJ250425) Collybistin I
11 ,	blastx.14					,	blastx.14		blastx.14		blastx.14			blooty 14	Ulastx.14		blastx.14					blastx.14		HMMER 2.1.1	blastx.2
1000	1607						2092		2113		2118			2121	1717		2131					9562		2142	
062230	800000		·			, 10000	920911		959581		936687			065900	00/20/		919200	-			3, 1, 1, 1	961148		930705	
HEOMGAR						0000 KOTII	HEOMG/8		HEOMS08		HEOMT79			HEOMI 179	CONTOTT		HEOMX92				COLEGE COLL	HEOMX92		HEONQ19	

279	364	11	346	334	250	134	237	609	609	480	306	582	1026	152	145	145	267	325	84	206	264	81	203	325
163	320	142	429	429	273	208	169	139	139	139	154	196	250	30	101	101	232	284	58	180	223	58	180	302
51%	5.32	38%	32%	31%	75%	36%	6.98	37%	33%	35%	25%	29%	420.7	51%	53%	46%	20%	20%	25%	55%	42%	62%	62%	62%
dbj BAA91707.1	PF00099	gj 214044 gb AAA49	679.1				PF00096	dbj BAA91884.1					PF00144	gi 475909 emb CAA4 7472.1	gi 1732471 gb AAB4	9656.1								
(AK001463) unnamed protein product [Homo sapiens]	PFAM: Zinc-binding metalloprotease domain	alpha-1 type II collagen	[Xenopus laevis]				PFAM: Zinc finger, C2H2 type	(AK001753) unnamed	protein product [Homo	sapiens]			PFAM: Beta-lactamase	ORF1A [Homo sapiens]	rehydrin [Tortula ruralis]									
blastx.2	HMMER 1.8	blastx.14					HMMER 2.1.1	blastx.2					HMMER 2.1.1	blastx.14	blastx.14									
2148	2157	2174					2189					П	2203	2204	2214									
949152	851009	958184					909032						942596	965930	959572									
HEONV59	HEOPE58	HEOPO08					HEOQC76						HEOQP44	HEOQS11	HEORE79									

HHECOO!	(915285	2250	blastx 14	(AF039691) antigen MV.	13170197197 A CT	/03/	000	, 0,
) 		CO O [Homo conional	g1/31/0102 g0 AAC1	02%	302	1/4
TITITION			,	CO-9 [Homo sapiens]	8040.1	100%	25	7
HHEEC07	952455	2267	blastx.14	(AF064257) Dhm1-like	gi 5881961 gb AAD5	%66	1202	1801
				protein [Homo sapiens]	5138.1 AF064257 1	100%	1862	1912
ННЕН 073	923895	2279	HMMER	PFAM: Phorbol esters /	PF00130	4.1	115	156
			1.8	diacylglycerol binding domain			1	
ннелн30	961974	2282	blastx.14	(AF180920) cyclin ania-	gi 5823554 gb AAD5	%56	226	417
				6a [Homo sapiens]	3184.1 AF180920 1	95%	429	494
HHEND45	919630	2302	HMMER	PFAM: Double-stranded	PF00035	12.86	25	114
			1.8	RNA binding motif			ì	-
			blastx.14	[D.melanogaster mRNA,	gi 158506 gb AAA73	52%		114
				complete cds.], gene	062.1	47%	235	297
				product [Drosophila melanogaster]				
HHEQK01	871911	2346	HMMER	PFAM: Phorbol esters /	PE00130	3 27	173	8
			1.8	diacylglycerol binding		74:0	†	2
				domain				
HHEQV39	932851	2354	HMIMER	PFAM: Src homology	PF00018	30.41	526	708
			1.8	domain 3				
HHESU85	783820	2381	HMMER	PFAM: Heat shock hsp90	PF00183	11.81	88	288
			1.8	proteins				
HHETQ54	908567	2392	HMMER 211	PFAM: KRAB box	PF01352	166.4	233	421
			blastx.14	NK10 [Mus musculus]	gi 506502 emb CAA5	%68	212	448
					6225.1			
HHEUA62	965709	2400	HMMER 1.8	PFAM: Spectrin alpha chain, repeated domain	PF00435	10.48	103	186
			blastx.14	(AB023622) Septin6 [Mus	gi 5689158 dbj BAA8	%65	13	144
				musculus]	2838.1	%09	211	315

92	37	782	123	123	372	340	104		284	330	6	162	176	203	124	317	115	72	317	352
3	11	129	82		277	107	æ		264	440	47	115	165	174	189	355	189	107	349	387
31.5	2.17	92%	1.99	48.1	78%	82%	100%		2.86	%68	%69	43%	100%	%02	20%	61%	44%	28%	63%	20%
PF00023	PF00099	gi 5059425 gb AAD3 9005.1 AF156884 1	PF00130	PF01449	gi 5020264 gb AAD3 8043.1 AF151363_1	gi 1651236 dbj BAA3	5202.1		PF00099	gi 2766165 dbj BAA2	426/.1	gi 334072 gb AAA47	471.1		gi 159657 gb AAA29	371.1			-	
PFAM: Ank repeat	PFAM: Zinc-binding metalloprotease domain	(AF156884) RIP-like kinase [Homo sapiens]	PFAM: Phorbol esters / diacylglycerol binding	PFAM: Phosphate- binding protein	(AF151363) Cdc42 GTPase-activating protein [Mus musculus]	Hypothetical	bacteriophage n4 receptor protein NfrA precursor.	[Escherichia coli]	PFAM: Zinc-binding metalloprotease domain	(AB008430) CDEP	[Flomo sapiens]	ORF-3 protein	[Pseudorabies virus]		collagen [Ascaris suum]					
HIMMER 2.1.1	HMMER 1.8	blastx.14	HMMER 1.8	HMMER 2.1.1	blastx.14	blastx.14			HMMER 1.8	blastx.14		blastx.14			blastx.14					
2401	2486	2526	2529	2572	2600	2633			2641	2679	, 6, 6	2694			2697					
795268	963724	950728	531053	531228	999606	967636			531054	950096	00000	267076			932127					
HHEUC31	HKBAT27	HLMBW11	HLMBY16	HLMDU71	HLMFU09	HLMHP67			HLMHT94	HLMIX95	C 13 C 111	HLMMA52			HLMMD05		-			

317	366	317	99	115	317	322	382	384	448	419	256	146	138	231	289	153	57	208	260	15	158	293	191	215	156	182	. 3
358	407	355	110	189	355	245	230	337	404	378	173	66	19	184	345	191	98	306	162	68	229	376	259	283	179	232	26
42%	20%	46%	46%	32%	46%	17.86	62%	81%	%98	71%	39%	43%	%01	37%	36%	53%	20%	33%	37.3	44%	37%	35%	30%	39%	75%	47%	75%
						PF00023	gi 488505 dbj BAA06	418.1					gi 687206 gb AAA63	589.1	gi 4494984 gb AAD2	1406.1			PF00169	gi 334072 gb AAA47	471.1						•
						PFAM: Ank repeat	similar to HUMORFU	(D26069) [Homo sapiens]					dynein heavy chain	isotype 6 [Tripneustes	(AF083501) latent nuclear	antigen [Macaca mulatta	rhadinovirus 17577]		PFAM: PH domain	ORF-3 protein	[Pseudorabies virus]						
						HMMER 1.8	blastx.14						blastx.14		blastx.14				HMMER 2.1.1	blastx.14						11.	
						2733							2769		2776				2871	2980							
						926188							964739		95026				909874	998606							
						HLMMV66							HLMNL55		HLMNN02				HLYAA41	HLYDL60							

250 197	200 3	89 124	188 406	113 292 451 504	383 409	12 74	1 234 264 314		157 231	281 403 154 228 233 271	<u> </u>
38%	 39%	4.11	58.6	41%	2.86	24.4	65%		24.8	39% 56% 61%	
	gi 473842 gb AAA20 666.1	. 9600	169	gb AAC35236.1	130	612	sp BAA33720 BAA3 3720	gi 1651427 dbj BAA3 5638.1	025	gi 3746799 gb AAC6	204
	orfIV [Borna disease gi 473 virus] 666.1	PFAM: Zinc finger, C2H2 PF00096 type	PFAM: PH domain PF00169	(AC005496) unknown gb A protein [Arabidopsis thaliana]	PFAM: Phorbol esters / PF00130 diacylglycerol binding domain	PFAM: IQ calmodulinbinding motif	ived hatase).	64	ylation	(AF082517) ADP- gi 3746 ribosylation factor 4063.1	PFAM: DNA PF00204 topoisomerase II (N-
	blastx.14 o	HMMER P			HMMER Pi	HMMER Pi		blastx.14 For ac	1, 1	blastx.14 (/ rii Fi	HMMER PI 2.1.1 to
	2986	2991	2993		3005	3042	3056	3062	3063		3065
	966732	526245	927872		682176	832311	920551	968199	907640		729831
	HLYDS11	HLYDT68	HLYDV62		HLYEN93	HLYGP46	HLYHN67	HMAAF10	HMABJ56		HMABQ71

143	728	303	405	402	390	112	422	803	1545	1474	296	456	573	168	320	187	423	58	122	132	183
202	270	46	31	115	112	2	363	1516	1673	1587	63	85	445	10	183	119	313	5	06	7	166
%56	%86	06	40.87	62.9	84%	100%	25%	%66	%06	20%	50.17	82%	%06	71%	73%	82%	43%	61%	63%	51.9	3.49
gi 536985 gb AAA97 040.1	dbj BAA92041.1	PF00568	PF00512	PF01432	gi 466635 gb AAB18	474.1		gi 1480003 dbj BAA1	1058.1		PF00406	emb CAB59367.1			pir S72481 S72481					PF01344	PF00099
ORF_f418 [Escherichia coli]	(AK002022) unnamed protein product [Homo sapiens]	PFAM: WH1 domain	PFAM: Signal C termial domain	PFAM: Peptidase family M3	CG Site No. 18031	[Escherichia coli]		MaoB [Escherichia coli]			PFAM: Adenylate kinases	(AJ007798) stromal	antigen 3, (STAG3)	[Homo sapiens]	probable transposase -	human transposon MER37				PFAM: Kelch motif	PFAM: Zinc-binding
blastx.14	blastx.2	HMMER 2.1.1	HMMER 1.8	HMMER 2.1.1	blastx.14			blastx.14			HMMER 1.8	blastx.2			blastx.14					HMMER	HMMER
3067	3071	3078	3080	3085		 		6956			3091	3107			3110					3117	3127
920088	939916	778521	723186	947905				966282			956195	895981			963794					753133	462502
HMADC02	HMADZ55	HMAFY42	HMAGK69	HMAIC22				HMAKA11			HMALL66	HMCDN22			HMCFB22					HMCGY77	HMMAB49

			1.8	metalloprotease domain				
HMMAC19	953580	3129	blastx.14	(AF003535) ORF2-like	gi 2197085 gb AAD0	47%	26	145
				protein [Homo sapiens]	4635.1	47%	282	344
						87%	187	210
HMMCH04	944069	3208	blastx.2	unknown [Homo sapiens]	gb AAC50940.1	28%	423	089
HMQBU96	765162	3247	HMMER	PFAM: Helix-loop-helix	PF00010	7.33	8	40
HMQDZ19	940694	3267	blastx.14	urokinase plasminogen	gil4339011emblCAA5	100%	80	124
				activator receptor [Homo	2191.1	91%	133	168
				sapiens			:	
HMSBV28	970579	3303	blastx.14	YKL249 [Saccharomyces	gi 871536 emb CAA4	95%	260	108
				cerevisiae]	9304.1	51%	141	П
						20%	323	282
HMSCD15	918133	3310	HMMER 1.8	PFAM: Src homology domain 3	PF00018	41.06	453	599
			blastx.2	(AK000975) unnamed	dbilBAA91451.11	%86	453	635
				protein product [Homo		29%	387	479
				sapiens]		78%	08	175
HMSFR69	738588	3373	HMMER 18	PFAM: Core histones	PF00125	7.78	258	202
HMSGL27	855759	9573	HMMER	PFAM: Bacterial mutT	PF00293	5.56	776	200
			1.8	protein)))	2	707
HMSGP73	925385	3401	blastx.14	(AC004490) R29381_1 [Homo saniens]	gi 2995577 gb AAC0	94%	141	908
HMSGX14	871492	3413	HMMER 1.8	PFAM: Ribosomal protein	PF00164	33.44	28	153
HMSHO64	746582	3431	HMMER 1.8	PFAM: Src homology domain 3	PF00018	11.08	316	405
			blastx.2	(AF030131) Plenty of SH3s; POSH [Mus	gb AAC40070.1	47%	-	411
							7	

	228	1137		453	465	163	513	232			463	527				· -	256			1329		84	233	
	208	667	241	211	139	2	97	2			302	462	532	514	365	266	173	514		1252		19	66	1
	4.89	20%	21%	23%	16%	48.7	%16	%9L			64%	63%	%88	48 %	39%	36%	39%	26%		13.38		20%	33%	
	PF00098	gi 5669894 gb AAD4 6501.1 AF148805 6				PF01426	gi 3820614 gb AAC6 9630.1	gi 3929219 gb AAC7	9841.1		gb AAF22026.1 AF1	18094_21		gi 3879085 emb CAA	94301.1					PF00125		gi 9300 emb CAA494	72.1	
musculus	PFAM: Zinc finger, CCHC class	(AF148805) latent nuclear antigen [Kaposis sarcoma-	associated herpesvirus]			PFAM: BAH domain	(AF094516) E1-like protein [Homo sapiens]	(AF082556) TRF1-	interacting ankyrin-related	ADP-ribose polymerase [Homo sapiens]	(AF118082) PRO1902	[Homo sapiens]		cDNA EST	EMBL:M89462 comes	from this gene; cDNA	EST 1 1 yk349d7.5 comes	from this gene; cDNA	EST yk358b9.5 comes	PFAM: Core histones	H2A, H2B, H3 and H4	Emfl alpha [Ephydatia	muelleri]	
	HMMER 1.8	blastx.14				HMMER 2.1.1	blastx.14	blastx.14			blastx.2			blastx.14						HMMER	1.8	blastx.14		
_	3447	3491				3498	3509	3538			9578			3548						3589		9098		
	733386	65007				744990	959413	958216			948130			948202						904807		924634		
	HMSHZ56	HMSJT11				HMSJW19	HMSKI08	HMSOM08			HMSOU92			HMSOX47						HMVDU16		HMWCQ09		

						38%	292	345
HMWDD54	932261	3610	blastx.14	(AF175223) SANT domain protein SMRTER [Drosophila melanogaster]	gi 5815245 gb AAD5 2614.1 AF175223_1	53%	122	84
HMWDF88	69/2906	3612	HMMER 1.8	PFAM: Low-density lipoprotein receptor domain class A	PF00057	41.61	171	245
			blastx.14	(AF110520) NG29 [Mus	gi 4050096 gb AAC9	%69	114	239
		_		musculus]	7969.1	48%	129	239
						35%	6	110
						20%	72	107
HMWGG55	920575	3642	blastx.14	DNA polymerase [Pyrococcus furiosus]	gi 216918 dbj BAA02 362.1	94%	195	308
HMWGT07	953454	3645	blastx.14	(AL078579) putative	gi 4972120 emb CAB	40%	218	322
				protein [Arabidopsis	43977.1	40%	395	475
				thaliana		46%	113	157
HMWHN70	851334	3654	HMMER	PFAM: Zinc finger,	PF00097	6.51	187	255
			1.8	C3HC4 type (RING finger)				
HNEBJ08	958742	3689	blastx.14	mucin 2 precursor,	pir A49963 A43932	35%	305	264
			:	intestinal - human (fragments)		83%	320	303
HNEDU01	909832	3748	blastx.14	(AC002398) F25965_3	gi 2477513 gb AAB8	71%	207	323
				[Homo sapiens]	1198.1	21%	08	205
		****				62%	<u> </u>	87
						43%	323	412
						20%	337	384
HINFEF95	971171	3792	blastx.14	ORF_0493 [Escherichia	gi 606260 gb AAA58	%86	548	201
				coli]	123.1	%68	103	20
						81%	185	105
HNFFM25	705856	3818	HMMER	PFAM: Laminin B	PF00052	0.47	520	603

			1.8	(Domain IV)				
HNFFT62	574623	3828	HMMER 1.8	PFAM: C2 domain	PF00168	2.74	207	272
HNFGI01	921431	3851	blastx.14	(AF118890) s-tomosyn isoform [Rattus norvegicus]	gi 4689231 gb AAD2 7819.1 AF118890_1	86% 100% 40%	234 153 287	302 200 361
HNFGI49	20606	3852	blastx.14	(AF086624) serine threonine kinase [Rattus norvegicus]	gi 3800869 gb AAC6 8900.1	100%	60	45
HNFGM76	599806	3862	HMMER 2.1.1	PFAM: Zinc finger, C2H2 type	PF00096	74.8	232	306
	,		blastx.2	(AF132599) RANTES factor of late activated T lymphocytes-1 [Homo sapiens]	gb AAD26864.1 AF1 32599_1	92%		417
HNFHA11	967520	3874	HMMER 2.1.1	PFAM: Phosphoenolpyruvate carboxykinase	PF01293	118.1	55	219
			blastx.14	phosphoenolpyruvate carboxykinase [Escherichia coli]	gi 606337 gb AAA58 200.1	%66	55	360
HNFHK77	576186	3890	HMMER 2.1.1	PFAM: Aldehyde dehydrogenase family	PF00171	30.2	231	326
HNFHQ01	938114	3897	blastx.14	serine/threonine kinase with SH3 domain, leucine	gi 758593 emb CAA8 8531.1	28%	248	331
						46% 25% 41%	371 79 176	415 186 211
HNFHW14	939763	3908	HMMER 2.1.1	PFAM: Latrophilin/CL-1- like GPS domain	PF01825	35.1	44	196

55	5.7	- × ×	2 2	21		6	00	-	3	∞	5	4 -
283	445	631 128 685		182	1111	189	210	161	223	238	195	294
38	448	356 42 665	212	144	88	130	284	45	2	164	151	250
44%	%09 %08	65% 34% 85%	73%	2.57	4.98	9.81	72%	3.68	125.4	10.86	3.79	%09
gb AAF00617.1 AF1 66382 1	gi 4928058 gb AAD3 3397.1 AF128881_1	gi 841318 gb AAA85 718.1	gi 551827 gb AAA83 896.1	PF00099	PF00096	PF00119	pir S72489 S72489	PF00018	PF00218	PF00515	PF00293	gi 552132 gb AAA28
(AF166382) serpentine receptor [Mus musculus]	(AF128881) PI3 kinase regulatory subunit P101 [Homo sapiens]	mutant sterol regulatory element binding protein-2	phosphatidylserine decarboxylase [Escherichia coli]	PFAM: Zinc-binding metalloprotease domain	PFAM: Zinc finger, C2H2 type	PFAM: ATP synthase A chain	hypothetical protein Tigger 2 - human transposon MER37 1	PFAM: Src homology domain 3	PFAM: Indole-3-glycerol phosphate synthases	PFAM: TPR Domain	PFAM: Bacterial mutT protein	Bkm-like protein
blastx.2	blastx.14	blastx.14	blastx.14	HMMER 1.8	HMMER 1.8	HMMER 1.8	blastx.14	HMMER 1.8	HMMER 2.1.1	HMMER 1.8	HMMER 1.8	blastx.14
	3921	3936	3976	3984	4001	4005	4039	4065	4160	4169	4173	4177
	918389	965283	953889	773208	574475	577361	970738	953900	663955	953647	699391	952596
	HNFIG07	HNFIP50	HNGAL92	HNGAS51	HNGBF80	HNGBH77	HNGCE85	HNGCX07	HNGEN37	HNGEQ07	HNGER43	HNGER96

						64%	250	291
						75%	215	250
						%08	28	57
HNGEW76	572874	4198	HMMER 1.8	PFAM: Helicases conserved C-terminal	PF00271	4.66	194	247
				domain				
HNGEX35	959230	4200	blastx.14	adenine	gi 1773151 gb AAB4	%86	205	366
				pnospnoribosylitansierase [Escherichia coli]	0223.1	11,600 - 4,00		
HNGEX95	572897	4202	HMMER	PFAM: Zinc finger, C2H2	PF00096	5.32	196	219
HNGFG22	573084	4224	HMMER	PFAM: Bacterial	PF00196	00	166	240
			1.8	regulatory proteins, luxR family		1	2	2
HNGFG69	926873	4227	blastx.14	collagen [Ascaris suum]	gi 159657 gb AAA29	44%	228	175
					371.1	40%	145	80
						40%	145	80
						40%	307	248
						20%	29	38
HNGFK28	544726	4234	HMMER 1.8	PFAM: ABC transporters	PF00005	86.07	445	654
	- America		blastx.2	MsbA protein.	dbj BAA35658.1	100%	1	651
	1			Escherichia coli		%98	654	686
HNGFK28	862998	9584	HMMER 1.8	PFAM: ABC transporters	PF00005	86.07	445	654
			blastx.2	MsbA protein.	dbj BAA35658.1	100%	-	651
				[Escherichia coli]		100%	654	686
HNGFK28	943114	9585	HMMER 1.8	PFAM: ABC transporters	PF00005	117.67	342	
			blastx.2	MsbA protein.	dbj BAA35658.1	100%	165	503

162	37	242	512	10	87	161	198	215	290	422	75		155	129	129		129	306	132	132	167	164	248	63	129	129
25	2	3	. 3	84	116	205	263	84	102	96			196	167	155	75	152	335	152	152	196	196	289	131	152	152
84%	91%	6.09	%66	44%	%09	40%	36%	42.7	55.68	44%	%09		%05	53%	%99	36%	75%	%09	85%	85%	%09	54%	20%	79%	62%	75%
		PF00664	dbj BAA35658.1	pir S28303 S28303				PF00665	PF00075	gi[930259 emb CAA3	3367.1		gi 1877435 gb AAB5	1499.1											-	
[Escherichia coli]		PFAM: ABC transporter transmembrane region.	MsbA protein. [Escherichia coli]	hypothetical protein	T23G5.2 - Caenorhabditis	elegans		PFAM: Integrase core domain	PFAM: RNase H	reverse transcriptase (476	AA) [Woolly monkey	sarcoma virus	180 kDa bullous	pemphigoid antigen 2/type	XVII collagen [Homo	sapiens]										
		HMMER 2.1.1	blastx.2	blastx.14				HMMER 2.1.1	HMMER 1.8	blastx.14			blastx.14	egyas a	_						-					
		9856		4244				4246	4265				4270	•												
		943115		935135				526792	971170				924693													
	O CALLEST OF THE	HNGFK28		HNGF046			10.000	HNGFO81	HNGFU12				HNGFW09													

						75%	152	129
						%99	155	129
						%99	155	129
						%09	193	164
HNGGH78	924908	4306	blastx.14	type VII collagen	gi 388625 gb AAA36	20%	356	397
				[Cricetulus griseus]	968.1	34%	47	115
						42%.	285	341
						40%	288	347
						20%	171	206
						28%	171	206
						38%	9	59
						41%	53	103
						20%	171	206
HNGGM10	964819	4317	HMMER	PFAM: Laminin B	PF00052	0.51	424	441
			1.8	(Domain IV)			:	
HNGGR74	765698	4340	HMMER 1.8	PFAM: Zinc finger, C2H2 type	PF00096	6.36	14	58
HNGHT06	935706	4450	blastx.14	unknown protein [Homo sapiens]	gi 1196398 gb AAA8 8020.1	20%	254	177
HNGIJ01	916748	4483	blastx.14	ORF2 [Rattus norvegicus]	gi 56588 emb CAA37	20%	168	293
					645.1	21%	280	342
						57%	73	114
HNGKE07	952221	4630	blastx.14	collagen type VII [Homo	gi 495866 gb AAA58	28%	336	286
				sapiens]	965.1	25%	93	40
						47%	155	105
						64%	327	286
			•		•	21%	799	225
						32%	87	13
						33%	81	1
4						62%	355	332
HNGLE52	835972	4662	HMMER	PFAM:	PF00049	6.75	286	318

	599	999	249	136	362	1	116	161	323	27.0	145	i	347		427		170	169	164	15	53
	348	270	416	193	237	101	151	696	404	310	113		228	?	395		33	23	9	47	91
	47.92	%66	%86	71%	8.41	0/0/0	91%	38%	28%	53%	4.4		8.4		1.89		20%	44%	41%	54%	46%
	PF00005	dbj BAA35501.1	gi 455170 gb AAA83	861.1	PF00119	gil1790156lgblAAC7	6742.1	gil4469304 emblCAA	25493.1	-	PF00271		PF00119		PF00130		gi 1196398 gb AAA8	8020.1		pir A27695 A27695	
Insulin/IGF/Relaxin family	PFAM: ABC transporters	Hypothetical protein HI0658 [Escherichia colil	diaminopimelate	decarboxylase [Escherichia coli]	PFAM: ATP synthase A	(AE000449) putative	xylanase [Escherichia coli]	p15E carboxyterminal	sequence [Kirsten murine	sarcoma virus]	PFAM: Helicases	conserved C-terminal domain	PFAM: ATP synthase A	chain	PFAM: Phorbol esters /	diacylglycerol binding domain	vn protein [Homo	sapiens]		synexin - bovine	(rragment)
1.8	HMMER 1.8	blastx.2	blastx.14		HMMER	blastx.14		blastx.14			HMMER	1:8	HMMER	1.8	HMMER	1.8	blastx.14			blastx.14	
	4666		4668		4715	4762		4790			4798		4823		4878		4910		1 1	4955	
	839088		954140		806036	953888		899/96			724404		774280		506621		924211		00070	904882	
	HNGLG06		HNGLH82		HNGMM87	HNG0022		HNHAI11			HNHBE19		HNHBY45		HNHDM74		HNHDY50		10.01.01.01	HINHEJ83	

85	53	246			355			241	280						390	378	390	384	112	6	128	167	244	108	138		28	71
114	91	347	250	207	212	342		164	227	295	259	346	268	259	367	322	367	367	2	56	154	256	297	131	94		75	157
40%	38%	32%	43%	46%	52%	35%		46%	25%	33%	30%	20%	36%	79%	62%	42%	62%	83%	81%	43%	77%	33%	33%	62%	4.66	_	%95	34%
		gi 3093363 emb CAA	06591.1		gi 4868437 gb AAD3	1316.1 AF144054_1		gi 2981221 gb AAC0	6254.1										sp Q9Y6Y5 Q9Y6Y5	gi 1841543 gb AAC6	3097.1				PF00271		gil56587lemblCAA37	644.1
		(AJ005562) SPR2D	protein [Mus musculus]		(AF144054) apoptosis	related protein APR-4	[Homo sapiens]	(AF053091) eyelid	[Drosophila melanogaster]	-									IDN4-GGTR14 PROTEIN.	notch4 [Homo sapiens]					PFAM: Helicases	conserved C-terminal	ORF1 [Rattus norvegicus]	
		blastx.14		,	blastx.14			blastx.14									***************************************		blastx.2	blastx.14					HMMER , î	T.8	blastx.14	
		5005	·		5030			5121											5127	5146		•		00,1	5189		5251	
		953410	-		967126			953416						· · · · · · · · · · · · · · · · · · ·					939727	959499				01010	6/4653		964659	
		HNHET25		The terms of the	HNHFAII			HNHGD07										3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	HNHGE09	HNHGH20	····			COLVOINTE	HINHUN 77		HNHHI10	

158	155	300	407	120	360	235	122		380		70	394	467	178	79	451
220	83	49	363	91 262	310	200	06	,	360		2	77	408	83	47	365
33%	3.57	67.6	60%	70%	47%	2.66	11.1	-	4.12		22.31	100%	50%	20%	54%	11.11
	PF00293	PF00607	gi 4680231 gb AAD2 7584.1 AF118275_1			PF00130	PF00442		PF00076		PF00130	gi 5106956 gb AAD3	9906.1 AF113615_1	gi 339771 gb AAA51	622.1	PF00169
	PFAM: Bacterial mutT	PFAM: gag gene protein p24 (core nucleocapsid protein)	(AF118275) atrophin- related protein ARP	[Homo sapiens]		PFAM: Phorbol esters / diacylglycerol binding domain	PFAM: Ubiquitin	carboxyl-terminal hydrolases family 2	PFAM: RNA recognition motif. (aka RRM. RBD.	or RNP domain)	PFAM: Phorbol esters / diacylglycerol binding domain	(AF113615) FH1/FH2	domain-containing protein FHOS [Homo saniens]	ORF2 contains a reverse	transcriptase domain.; ORF2 [Homo sapiens]	PFAM: PH (pleckstrin
	HMMER 1.8	HMMER 2.1.1	blastx.14			HMMER 1.8	HMMER	1.8	HMMER 1.8		HMMER 1.8	blastx.14		blastx.14		HMMER
	5266	5318	5496			5497	5512		5646		5682	9895		5702		5714
	765598	908419	934456			935322	866951		471037		660053	682026		954360		126606
•	HNHHL74	HNHIA95	HNHPH29		11011	HOIAE91	HSATQ28		HSAYN79		HSYBL15	HSYDP04		HT3SA07		HT4GJ85

			1.8	homology) domain				
			1100to 14	(A TO 5007 4) GITTA D. 70				
			plastx.14	(Ar0539/4) SWAP-70	gi 3290154 gb AAC4	53%	251	448
				[Mus musculus]	0155.1	88%	4	54
						33%	448	492
HISEA69	952359	5721	blastx.14	(AL032624) cDNA EST	gi 3881086 emb CAA	37%	264	470
				yk321h8.5 comes from	21522.1	30%	123	751
				this gene; 1 from this gene	_)))		107
				[Caenorhabditis elegans]				
HTAAW46	719422	5735	HMMER	PFAM: HMG (high	PF00505	5.82	9	35
			1.8	mobility group) box			·	3
HTABG87	940153	5745	HMMER 1.8	PFAM: Eukaryotic protein kinase domain	PF00069	13.81	240	335
		_	blastx.14	(AF006064) protein	gi 2393890 gb AAC5	54%	0	139
	•••			kinase homolog [Fowlpox	8236.1	33%	189	356
				virus]	-		<u> </u>)
HTACW17	961560	2160	blastx.14	(AC007660) unknown	gi 4895220 gb AAD3	37%	54	221
				protein [Arabidopsis	2806.1 AC007660_7	61%	212	265
HTAFEGO	044400	27073	1.1.	CATTOO 100				
607.10111	744409	16/0	Diastx.2	(AK000496) unnamed	dbj BAA91205.1	%69	432	704
_				protein product [Homo		-	·	
HTAHL45	908949	5817	HMMER	PFAM: SCAN domain	PF02023	228.7	268	555
			2.1.1				-	
			blastx.14	(AC004522) Zn-finger-	gi 3006231 gb AAC0	929	220	534
				like protein; similar to	9486.1	36%	529	642
				Z98745 (PID:g2924250)				!
A CARTE A COLL	1,100			[Homo sapiens]				
HIAHV04	926/47	2826	blastx.14	(AC005757) R32611_1	gi 3688089 gb AAC6	100%	3	446
1177 4 1700	110000			Homo sapiens	2258.1			
HIAJNOS	/50866	5841	HMMER	PFAM: Helicases	PF00271	5.49	20	55
								;

		6 296	0 797	0 605	7 758	1 809			7 59			5 136				5 638	5 467		,	7 529	4 711		7 1275		- ([]
		526	420	420	657				127	186	278	186	278	337	260	315	315	531	457	497	334		1087	460	700
		53%	91.4	37%	44%	61%			39%	20%	39%	47%	39%	28%	40%	107.6	100%	100%	%92	81%	130.2		%09	43%	7076
		gi 4868437 gb AAD3 1316.1 AF144054_1	PF00620	gi 3874826 emb CAA	86318.1				gi 1185397 gb AAA8	7791.1						PF00588	gi 466744 gb AAB18	583.1			PF01784	Manual State of the State of th	gi 4008560 emb CAA	22481.1	
conserved C-terminal	domain	(AF144054) apoptosis related protein APR-4	PFAM: RhoGAP domain	carboxyl terminus of the	predicted protein shows 1	1 comes from this gene;	EMBL:D32994 comes	from this gen	SH3 domain binding	protein [Rattus	norvegicus]					PFAM: SpoU rRNA Methylase family	alternate gene name yibK	[Escherichia coli]			PFAM: Domain of	unknown iunction	(AL034490) similar to	yeast ngg1-interacting	
1.8		blastx.14	HMMER 2.1.1	blastx.14	J		v		blastx.14							HMMER 2.1.1	blastx.14				HMMER	2.1.1	blastx.14		
		9597	5895						5918							5921					5926	•		****	
		971582	909849						967158							974962			_	0000	96/030				
		HTDAE43	HTGCH58						HTGDM65							HTGDT91				COLLICE	HIGDW96				

414		1347	433	305	305	391	203	110		275	-		443		209		325	160)	1190
361	970	1312	398	27	27	320	174	21		3			3		162		242	2	ı	1020
61%	28%	28%	7.26	191	%56	83%	2.4	30.7		%9L			87%	,	3		35.64	58%		32.41
			PF00130	PF00883	gi 1054725 emb CAA	60164.1	PF00018	PF00562		gi 2739048 gb AAB9	-		gi 1787452 gb AAC7 4286.1		PF00099		PF00023	gi 5923874 gb AAD5	6394.1 AF182426_1	PF00069
[Schizosaccharomyces	[bombe]		PFAM: Phorbol esters / diacylglycerol binding domain	PFAM: Cytosol aminopeptidase family	aminopeptidase A	[Escherichia coli]	PFAM: Src homology	PFAM: RNA polymerase	beta subunit	(AF025424) RNA polymerase I 127 kDa	subunit [Rattus	norvegicus	(AE000218) putative adhesion and penetration	protein [Escherichia coli]	PFAM: Zinc-binding	metalloprotease domain	PFAM: Ank repeat	(AF182426)	arylacetamide deacetylase [Rattus norvegicus]	PFAM: Eukaryotic protein
			HMMER 1.8	HMMER 2.1.1	blastx.14		HMMER 1.8	HMMER	2.1.1	blastx.14			blastx.14		HMMER	1.8	HMMER 1.8	blastx.14		HMMER
			5936	5944			5949	8969					5973		9665		9601	9509		6081
 -			685425	967047			683469	923443		•			974590		602099		880424	948518	•	008996
		THOUSE	H1GEL46	HTGEQ11			HTGER72	HTGFZ03					HTGGL23		HTHCB68		HTJAB35	HTJMT23		HTOAK34

	1190		402	399	264		33	127	671	140	406	538	460	466	460	442	427	481	415	173	
	954		4	13	235		4	19	10	105	299	287	278	320	299	287	290	341	287	114	_
	75%		148.5	34%	4.53		6.52	7.08	00:	7.82	72	%88	20%	53%	42%	42%	43%	40%	46%	10%	
	gi 3452473 gb AAC7 1014.1		PF00617	gi 171187 gb AAA34 479.11	PF00130		PF00096	PF00049		PF00010	PF00008	gi 3449294 dbj BAA3	2462.1				•				
kinase domain	(AF084205) serine/threonine protein	norvegicus]	PFAM: RasGEF domain	CDC25 [Saccharomyces kluyveri]	PFAM: Phorbol esters / diacylglycerol binding	domain	PFAM: Zinc finger, C2H2 type	PFAM:	Insulin/IGF/Relaxin family	PFAM: Helix-loop-helix DNA-binding domain	PFAM: EGF-like domain	(AB011532) MEGF6	[Rattus norvegicus]								-
1.8	blastx.14		HMMER 2.1.1	blastx.14	HMMER 1.8		HMMER 1.8	HMMER	1.8	HMMER 1.8	HMMER 2.1.1	blastx.14									_
			6108		6146		6173	6201		6229	6230							0			
			909952		527144		537364	836003		720403	972248										
			HTODG16		HTOFT34		HTOHL35	HTOIY09		HTSHF47	HTSHM38										

[2	3	0	00	\sim	-+	~	~	2	_	~		~						<u> </u>	_											
53.	. 28	28(538	29;	54	28	28	286	28(283	283	283	532	535	532	532	304	412	280	286	532	280	283	316	349	268	295	322	283	406
467	245	188	482	245	476	245	188	245	170	230	245	245	485	452	482	482	245	299	251	251	434	245	245	245	317	245	245	251	251	320
%05	61%	35%	47%	52%	39%	61%	31%	20%	29%	25%	%69	53%	20%	35%	47%	47%	20%	31%	10%	28%	30%	28%	53%	37%	63%	75%	47%	37%	54%	31%
					_		_			-,					_						-				_		_	- ,		
																									_					
•							_				_	_	-	***************************************								-			•					
	_										-					•					•	All the discount								
								<u> </u>			-		-											······						

286	460	232	505	376	280	445	268	532	343	262	283	406	505	532	406	379	280	483	268	544	382	376	382	223	235	262	406	409	376	379
230	401	203	473	308	245	329	245	485	251	227	251	296	485	473	344	359	245	454	245	491	320	344	359	203	203	215	359	356	320	320
36%	40%	%09	54%	34%	20%	25%	62%	37%	29%	20%	45%	24%	71%	40%	33%	71%	20%	%09	62%	33%	33%	%89	62%	71%	45%	37%	37%	38%	36%	40%
	***************************************					_																								
							·																							
						~~		•								_					·									
<u></u>	-																													
										-1																				
																_										_				

280	306	434	219	217	241	48	70	777	330	137	176	370	450	547	123	299
251	220	613	172	104	47	16	20	869	61	72	144	230	367	482	97	3
%09	15.45	88%	4.95	23.9	78%	45%	41%	54% 45%	123.2	92.9	2.21	%26	% 09	59%	2.87	50.1
	PF00125	gi 3800742 gb AAC6 8839.1	PF00271	PF00171	gj 2766693 gb AAB9	5478.1		gi 5360271 dbj BAA8 1908.1	PF01425	PF00505	PF00130	gi 206535 gb AAA41	994.1		PF00293	PF01432
	PFAM: Core histones H2A, H2B, H3 and H4	(AF036548) RGC-32 [Rattus norvegicus]	PFAM: Helicases conserved C-terminal	PFAM: Aldehyde dehydrogenase family	(AF038838) proline	dehydrogenase [Klebsiella	aerogenes	(AB02935) HrPET-3 [Halocynthia roretzi]	PFAM: Amidase	PFAM: HMG (high mobility group) box	PFAM: Phorbol esters / diacylglycerol binding domain	RAB14 [Rattus	norvegicus]		PFAM: Bacterial mutT	PFAM: Peptidase family M3
	HMMER 1.8	blastx.14	HMMER 1.8	HMMER 2.1.1	blastx.14			blastx.14	HMMER 2.1.1	HMMER 1.8	HMMER 1.8	blastx.14			HMMER 1.8	HMMER 2.1.1
	6260	6299	6314	6359				9989	6367	6394	6403	6420			6425	6453
	869547	918641	812705	924996				885996	784768	869397	529745	912611			783572	947789
	HTWCG65	HTWEY30	HTWJA59	HTXCY84				HTXDW14	HTXDX61	HTXFN69	HTXGL73	HTXJ168			HTXJM73	HTXKQ55

302	530	196	143	382	174	446	2	440	158	771	/ / 1		421	09	310	885	244		521	396	481	487
335	93	29	6	326	145	1/0	<u>1</u>	177	n	550	700		302		170	402	2		595	464	537	561
96%	%96 %68	43.1	51%	21%	%09 %09	47.00	``	51%	40%	240/	0/10		%09	55%	46%	32%	100%		%88	100%	%89	36%
gi 1763642 gb AAC5 1231.1	gi 5531827 gb AAD4 4488.1	PF01189	gi[2981631 dbj BAA2	5253.1		PF01131		gi 1742870 dbj BAA1	5551.1	0114680137 0th A A D 7	7775 11 A E O 7700 1	1.73.1 (AL.O.1042_1	dbj[BAA74972.1		gi 4091782 gb AAC9	9298.1	gi 2330017 gb AAC5	1672.1	gi 4929661 gb AAD3	4091.1 AF151854_1		
mitochondrial intermediate peptidase precursor [Homo sapiens]	(AF078856) p47 [Homo sapiens]	PFAM: NOL1/NOP2/sun family	(AB012223) ORF2 [Canis	familiaris]		PFAM: Prokarvotic DNA	topoisomerase	DNA topoisomerase III	(EC 5.99.1) [Escherichia colil	(AF077042) 30S	rihosomal protein S7	homolog [Homo sapiens]	(AB016962) synGAP-b1	[Rattus norvegicus]	(AF051325) SH3 domain	containing adaptor protein	(AF015950) telomerase	reverse transcriptase	(AF151854) CGI-96	protein [Homo sapiens]		
blastx.14	blastx.14	HMMER 2.1.1	blastx.14			HMMER	2.1.1	blastx.14		blastx 14			blastx.2		blastx.14		blastx.14		blastx.14			
	6525	6555	0959			6575				6577			6229		9859		6889		6597			
•	918076	870074	961161			975072				914627			973095		911399		957784		966816			
·	HTXNY74	HTXPT68	HTXQC36			HTXRM86				HTXSB88			HTXSR92		HUJAM39		HUJCM08	,	HUUAV06	•		

278	212	373	376	433	509	596	313	367	367	354	1035
06	09	332	344	251 766	859	3	251	200	200	118	868
65.3	54%	2.21	3.68	39%	104.26	100%	6.01	79.5	%96	46%	25.8
PF01352	gi 2789430 dbj BAA2 4380.1	PF00130	PF00293	gi 3947651 emb CAA 22138.1	PF00059	gb AAF37804.1 AF1 75206_1	PF00096	PF01433	gb AAF07395.1 AF1 06037_1	gj 213868 gb AAA49 614.1	PF01437
PFAM: KRAB box	repressor protein [Homo sapiens]	PFAM: Phorbol esters / diacylglycerol binding domain	PFAM: Bacterial mutT protein	(AL033536) predicted using Genefinder; similar to 1 1 1 elegans!	PFAM: Lectin C-type domain short and long forms	(AF175206) lectin-like receptor F1 [Homo sapiens]	PFAM: Zinc finger, C2H2 type	PFAM: Peptidase family M1	(AF106037) adipocytederived leucine aminopeptidase [Homo sapiens]	Zn-binding protein [Pleurodeles walt]	PFAM: Plexin repeat
HMMER 2.1.1	blastx.14	HMMER 1.8	HMMER 1.8	blastx.14	HMMER 1.8	blastx.2	HMMER 1.8	HMMER 2.1.1	blastx.2	blastx.14	HMMER 2.1.1
6612		6619	2699		9599		1699	<i>L</i> 699		8699	6710
908541		923734	943074		957347		868490	947915	,	907631	888685
HWAAF66		HWAAY03	HWACA38		HWADF26		HWAEN20	HWAFW39		HWAFX39	HWAGM33

				_					T			T-					-													
283	639	471	396	583	343	412	1198	1798	484	510		424	!	868)		205		766	1040	863	336		434	306	270	156	7	69	118
215	535	409	295	1215	513	642	1272	1824	278	487		531		857			185		806	066	837	184		273	217	172	203	84	125	150
47%	34%	42%	29%	62%	%99	45%	44%	%99	63%	75%		100%		4.8			4.15	_	83%	100%	%88	38.64		81%	%96	36%	62%	34%	36%	63%
gi 1196433 gb AAA8	8038.1			gi 709961 gb AAC52	167.1				gi 5020264 gb AAD3	8043.1 AF151363_1		gi 4929707 gb AAD3	4114.1 AF151877 1	PF00076			PF00099		gi 5441611 emb CAB	46854.1		PF00010		gi 4689256 gb AAD2	7831.1[AF121858_1		gi 334072 gb AAA47	471.1		
unknown protein [Homo	sapiens			retinoid X receptor	interacting protein [Mus	musculus]			(AF151363) Cdc42	GTPase-activating protein	Mus musculus	(AF151877) CGI-119	protein [Homo sapiens]	PFAM: RNA recognition	motif. (aka RRM, RBD,	or RNP domain)	PFAM: Zinc-binding	metalloprotease domain	(AJ388555) hypothetical	protein [Canis familiaris]	٠	PFAM: Helix-loop-helix	DINA-binding domain	(AF121858) sorting nexin	8 [Homo sapiens]		ORF-3 protein	[Pseudorabies virus]		
blastx.14				blastx.14					blastx.14			blastx.14		HMMER	1.8		HMMER	1.8	blastx.14			HMMER 1 8	1.8	blastx.14			blastx.14			
6711				6714	-				6715			6720		6722			6741		6771			6785		6820			6831			
985656			,	960646				1	299606			959449		868363			747723		963498			682583		915050			926017			,
HWAGX37			0 1444 1 44444	HWAHII0	•			TATAL TATAL	HWAHS94			HWBAL44		HWBAQ16			HWBBR65		HWBDM24		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HWBEXZ/		HYAAF33			HYAAS08			

211	427	27	36	112	591	688	597	420	684	142	654	388	562		-	464		17	142	264	300
282	257	206	263	2	505	869	382	103	604	2	619	263	2	_		141		112	195	398	365
37%	27.8	6.06	%19	47	33.3	71%	29%	46%	10%	48%	%99	32.5	92%			34%		34%	20%	28%	40%
	PF00047	PF00207	gb AAA39508.1	PF00617	PF00036	gi 4038292 gb AAC9	7349.1					PF00643	gi 4325109 gb AAD1 7259.1	-		emb CAA97423.1		gi 5305335 gb AAD4	1594.1 AF071081_1		
	PFAM: Immunoglobulin domain	PFAM: Alpha-2- macroglobulin family	alpha-2-macroglobulin [Mus musculus]	PFAM: RasGEF domain	PFAM: EF hand	(AF106071) ras activator	RasGRP [Homo sapiens]					PFAM: B-box zinc finger.	(AF119043) transcriptional	intermediary factor 1	gamma; TIF1gamma [Homo sapiens]	predicted using Genefinder	[Caenorhabditis elegans]	(AF071081) proline-rich	mucin homolog	[Mycobacterium	rupercurosis
	HMMER 2.1.1	HMMER 2.1.1	blastx.2	HMMER 2.1.1	HMMER 2.1.1	blastx.14						HMMER 2.1.1	blastx.14			blastx.2		blastx.14			
	6848	0989		6863	6883							2689				6918		6934			
	971448	900008		956606	862606							909031				944080		509696			
	HYABP53	HYABB43		HYAAU65	HWBEG18							HWBCS08				HWBAQ71		HWAFG12			

				34%	219	142
				44% 32%	374	300
				34%	365	297
				34%	332	264
				93%	338	306
				78%	365	294
\dashv				38%	314	261
<u>-0</u>	blastx.2	(AF010144) neuronal	gb AAC08737.1	%65	208	14
		thread protein AD7c-NTP		20%	178	14
		[Homo sapiens]		40%	253	80
				17%	78	13
				52%	93	25
				%9 <i>L</i>	249	211
				42%	221	165
				75%	240	205
			•	42%	237	160
				%06	357	328
				25%	248	168
H 2.	HMMER 2.1.1	PFAM: Immunoglobulin domain	PF00047	23.2	40	273
<u>-</u>	lastx	CMRF-35 antigen [Homo	emb CAA46948.1	25%	7	162
		sapiens]		29%	169	279
				%09	400	474
				38%	346	399
4				42%	316	372
Ξ-	HMMER	PFAM: Ras family	PF00071	147.95	116	475
<u>-</u>	ö.	(contains A 1 P/G 1 P binding P-loop)				
P	blastx.2	rab-related GTP-binding	gb AAA42000.1	%86	98	493
- [protein [Rattus		%08	477	569

	215	209	452	209	308	552		381	5	480	550	594	578	616	417	250	187	119	231	226	196	199	149	117	149	126	
	3	12	381	18	228	280		19	5	<i>L</i> 9	2	571	552	596	770	417	300	226	278	261	261	258	181	152	229	152	
	29.5	%69	%02	31%	29%	96		7257		91%	82%	100%	77%	100%	%66	%68	71%	28%	87%	100%	54%	%09	81%	83%	40%	100%	
	PF00435	gi 5262574 emb CAB	45729.1			PF01163		PF01182		emb CAA03416.1	gi 4826478 emb CAB	42896.1			gi 4959568 gb AAD3	4394.1 AF132984_1											_
norvegicus	PFAM: Spectrin repeat	(AL080133) hypothetical	protein [Homo sapiens]			PFAM:	RIO1/ZK632.3/MJ0444 family	PFAM: Glucosamine-6-	phosphate isomerase	unnamed protein product [unidentified]	similar to SH3-binding	protein [Homo sapiens]			(AF132984) nuclear pore	complex interacting	protein NPIP [Homo	sapiens]					Ŷ.			,	
	HMMER 2.1.1	blastx.14				HMMER	2.1.1	HMMER	2.1.1	blastx.2	blastx.14				blastx.14												•
_	6947					9569		6971			6984				9869												
	958115	**************************************				756888		949088			944903				940813												
	HWAEC08					HWACY70		HWABG11			HUUDR34				HUUCJ07												

						%99	300	274
HTX0015	869261	7011	HMMER 2.1.1	PFAM: Ubiquitin family	PF00240	44.9	130	273
HTXLS08	958357	7023	blastx.14	(AF090989) high-risk	gi 4151328 gb AAD1	48%	745	786
				human papilloma viruses	2543.1	%89	1006	1146
				E6 1 alpha [Homo		41%	—	237
				sapiens]		21%	511	645
						10%	427	477
						27%	580	645
HTWKB07	952841	7085	blastx.14	(AF003535) ORF2-like	gi 2197085 gb AAD0	%09	. 25	84
				protein [Homo sapiens]	4635.1	75%	259	294
-						20%	205	258
						33%	36	116
						%02	167	196
HTWJH08	790185	7087	blastx.2	(AK000385) unnamed	dbj BAA91131.1	61%	197	51
				protein product [Homo sapiens]				
HTWJH08	846554	9615	blastx.2	(AK000385) unnamed	dbj BAA91131.1	61%	197	51
	:			protein product [Homo sapiens]			***************************************	
HTWJF50	911448	6802	blastx.14	myosin I [Rattus	gi 3724141 emb CAA	48%	1009	1428
				norvegicus]	50871.1	53%	334	681
				10.0		25%	732	851
						46%	863	1012
						39%	40	108
						20%	989	715
HIWFQ19	586124	7091	HMMER 2.1.1	PFAM: Sema domain	PF01403	62.9	14	184
HTOIA82	844319	7198	HMMER 18	PFAM: Zinc-binding	PF00099	4.25	50	82
LTTOIT11	70000	7007	TT CA CTT	metanopiotease aumani				
nionii4	08760	1/204	HMIMEK	PrAM: Asparaginase	PF01112	20.7	140	217

	367	183	096	1017	216	394	397	293 392	386	359	275 510	553
	5	162	580	601	1	320	281	6 297	478	823	225 406	500
	33%	52% 45%	105.2	65%	%08	29.5	64%	48%	25.9	%68	76%	47%
	gi 5814097 gb AAD5 2099.1 AF106069_1	dbj BAA91951.1	PF00856	gi 4153862 gb AAD0 4721.1	gi 2150044 gb AAB5 8795.1	PF00621	gi 3876654 emb CAA 18349.1	gi 3170887 gb AAC4 0165.1	PF00397	gi 603953 dbj BAA07 893.1	gi 2065210 emb CAA 73251.1	
	(AF106069) deubiquitinating enzyme [Homo sapiens]	(AK001868) unnamed protein product [Homo sapiens]	PFAM: SET domain	(AC005065) determined by GENSCAN prediction and 1	(AF001293) aiolos [Mus musculus]	PFAM: RhoGEF domain	(AL022271) similar to Guanine nucleotide exchange 1 1 1 this g	(AF061555) ubiquitin- protein ligase E3-alpha [Mus musculus]	PFAM: WW domain	This gene is novel. [Homo sapiens]	Pro-Pol-dUTPase polyprotein [Mus	niuscuius]
2.1.1	blastx.14	blastx.2	HMMER 2.1.1	blastx.14	blastx.14	HMMER 2.1.1	blastx.14	blastx.14	HMMER 2.1.1	blastx.14	blastx.14	
	7222	7282	7305		7311	7364		7365	7369		. 2370	
	960113	946168	963862	AP 2010000	909806	910040		965738	959129		932459	
	НТОБМ08	HTHBY73	HTGEX10		HTGEA37	HTAIF22		HTAIF11	HTAEV23		HTAEP05	

						77%	386	412
HTABK47	720684	7379	HMMER 2.1.1	PFAM: Monooxygenase	PF01360	23.3	371	430
HSYCV01	940661	7408	HMMER	PFAM:	PF00369	7.29	448	492
			1.8	Hydroxymethylglutaryl-				
HSAWR08	959943	7458	blastx.14	(AL110271) hypothetical	gi 5817084 emb CAB	%86	123	287
				protein [Homo sapiens]	53709.1			
HSAUL84	908440	7504	HMMER	PFAM: gag gene protein	PF00607	43.3	105	302
			2.1.1	pz4 (core nucleocapsid protein)				
•			blastx.14	gag protein [Human	gi 1780975 emb CAA	83%	. 135	299
				endogenous retrovirus K]	71418.1	%09	24	152
HNHOF94	948720	7551	blastx.2	(AK000496) unnamed	dbj BAA91205.1	%19	176	484
				protein product [Homo				
HNHNP81	928378	7554	HMMER	PFAM: 7 transmembrane	PF00001	58.09	233	511
			1.8	receptor (rhodopsin family)				
			blastx.2	(AF091575) olfactory	gb AAC64595.1	61%	236	505
			3	receptor [Rattus norvegicus]		52%	205	618
HNHLC01	915363	7581	blastx.14	unknown protein [Homo	gi 1196431 gb AAA8	46%	5	82
				sapiens]	8036.1	40%	57	131
						36%	133	207
						61%	219	257
67110111 GI						46%	260	304
HNHCA67	745400	/603	blastx.2	(AK000385) unnamed	dbj BAA91131.1	62%	52	285
				protein product [Homo sapiens]		16%	287	349

HNHGE31	698046	7624	HMMER	PFAM: Zinc-binding	PF00099	3.3	83	109
			1.8	metalloprotease domain				
HNHFV49	975415	7644	blastx.2	hypothetical protein (L1H	pir B34087 B34087	81%	483	190
				3' region) - human		71%	227	9
						%06	217	188
HNHFH24	903741	7657	HMMER	PFAM:	PF00209	37.2	208	306
			2.1.1	Sodium:neurotransmitter				
				symporter family				
			blastx.14	(AF075266) orphan	gi[3347930 gb AAC2	%9L	187	327
				transporter isoform B9	7761.1	27%	414	467
				[Mus musculus]				
HNHDF07	953883	7702	HMMER	PFAM: Fibronectin type	PF00041	7.48	242	319
			1.8	III domain				
HNHDC29	904546	7704	blastx.14	contactin associated	gi 1857708 gb AAB4	%86	219	7
				protein [Homo sapiens]	8481.1			
HNHCI32	861673	7716	HMMER	PFAM: 7 transmembrane	PF00001	133.17	195	545
			1.8	receptor (rhodopsin		770		
				family)				
			blastx.2	(AF112461) G protein-	gb AAF27279.1 AF1	100%	189	551
		<		coupled receptor 57	12461_1	100%	112	186
				[Homo sapiens]	,	100%	26	112
HNHCI32	956105	9645	HMMER	PFAM: 7 transmembrane	PF00001	133.17	951	601
			1.8	receptor (rhodopsin				
				family)				
			blastx.2	(AF112461) G protein-	gb AAF27279.1 AF1	100%	555	917
				coupled receptor 57	12461_1	100%	478	552
				[Homo sapiens]		100%	422	478
HNHBF47	949027	7731	HMIMER	PFAM: Cadherin	PF00028	44.76	899	522
			1.8					
			blastx.2	(AB028499) Flamingo 1	dbj BAA84070.1	%96	409	999

259	923	398	099	099	099	968	669	884	890	247	253	648	235	884	247	247	878	669	854	708	380	380	398	371	371	362	829	262	764	374
5	999	243	412	370	412	699	355	999	648	70	11;	361	14	654	14	26	999	412	672	433	270	270	270	270	270	264	683	2	723	270
92%	91%	%98	42%	36%	36%	43%	33%	43%	39%	38%	32%	30%	36%	39%	37%	35%	35%	32%	37%	28%	40%	35%	37%	44%	38%	33%	32%	73%	21%	35%
						_												· · · · · · · · ·									-			
[6																		-						,						
[Mus musculus]																														
						·													•					_						
														-							"·			-,	-					
																									_					

		. # 0 3445	0000000	39%	412	480
7/45 HMMER 1.8		PFAM: Cadherin	PF00028	46.67	330	461
blastx.2	<u>ン</u>	(AF152473)	gb AAD43734.1 AF1	75%	81	229
	ď.	protocadherin alpha Cl	52473_1	84%	173	364
	Š	short form protein [Homo		33%	87	989
	Š	sapiens]		93%		84
\dagger	4			40%	10	75
9649 blastx.14	<u></u>	(AF152303)	gi 5456892 gb AAD4	%86	325	1071
	ď	protocadherin alpha C1	3697.1	40%	715	186
		[Homo sapiens]		42%	466	099
			-	32%	778	1023
·				37%	724	867
				100%	225	275
				77%	176	229
				30%	496	684
		-		%68	569	325
				35%	895	1011
				40%	268	663
·				36%	717	791
\dashv				20%	499	540
7757 blastx.14	at (/	(AF155098) NY-REN-8 antigen [Homo sapiens]	gi[5360091]gb AAD4 2864.1 AF155098 1	78%	299	477
7769 HMMER	Д:	PFAM: FAD/NAD-	PF00175	4.43	396	440
F	<u>6</u> <u>2</u>	binding domain in oxidoreductases				
7778 HMMER		PFAM: Phorbol esters /	PF00130	2.07	464	490
T.8	ਚੋਂ ਚੱ	diacylglycerol binding domain				
7781 blastx.2	(2)	(AF010144) neuronal	gb AAC08737.1	62%	340	143
	4	thread protein AD7c-NTP	•	%29	340	248

247	247	3	25	111	346	152	351	125	18	349	392			77	2	42	210	526	817	2	2	2	7	2	2	2	<u>~</u>
417	345	80	81	200	414	205	392	202	98	269	219			199	43	11	242	437	2	196	193	199	196	193	199	193	1961
45%	%09	25%	%89	43%	43%	55%	64%	21%	47%	6.93	79%	······································		41%	71%	83%	72%	5.95	40%	61%	62%	54%	52%	54%	23%	20%	44%
										PF00031	gi 4186073 emb CAA	09423.1		sp[Q29386[Q29386				PF00505	emb CAB55945.1	gi 506502 emb CAA5	6225.1						
[Homo sapiens]										PFAM: Cystatin domain	(AJ010949) calcium	channel alpha-2-delta-C	subunit [Mus musculus]	KERATIN TYPE II	CYTOSKELETAL 8	(FRAGMENT).		PFAM: HMG (high mobility groun) hox	(AL117470) hypothetical protein [Homo sapiens]	NK10 [Mus musculus]							
							-			HMMER 1.8	blastx.14	_		blastx.14				HMMER 1.8	blastx.2	blastx.14							
										7788	7791			7795				7801		7837							
			-							974358	948825			952236				942758		964715							
	~		·							HNGMD48	HNGLY08			HNGLL07				HNGKM74		HNGIR10							

2	92	83		2	2	104	197	256	238	130	921	466)	385	520	283	214	317	152	368	292	205	104	82	284	320	19
193	199	196	178	217	115	181	232	309	306	285	986	290		287	404	230	140	258	39	324	381	276	154	210	261	391	93
45%	61%	21%	37%	797	39%	46%	20%	33%	30%	78%	%98	33.71		54%	41%	77%	36%	%02	42%	53%	36%	20%	47%	70%	5.01	45%	40%
										gi 4186073 emb CAA	.09423.1	PF00047		gb AAD34946.1 AF1	43185_1			gi 509838 gb AAA87	332.1		gi 439877 gb AAB02	291.1			PF00098	gi 2072966 gb AAC5	12/2.1
										(AJ010949) calcium	channel alpha-2-delta-C subunit [Mus musculus]	PFAM: IG	(immunoglobulin) superfamily	(AF143185) high affinity	immunoglobulin gamma	Fc 1		pol polyprotein [Baboon	endogenous virus]		reverse transcriptase	[Homo sapiens]			PFAM: Zinc finger, CCHC class	p40 [Homo sapiens]	
										blastx.14		HMMER	1.8	blastx				blastx.14			blastx.14				HMMER 1.8	blastx.14	
				_						1879		7897		•				7902			7933				7952	7973	
										941480		951489						967314			967512				959964	959977	
										HNGFF50		HNGEO79						HNGEI11			HNGDW11				HNGDA08	HNGAZ08	

100	799	115	150	64	91	91	91	232	44	316	340	125	307	6	113		200	518	909	594	403	131	244
144	316	14	200	384	387	420	339	387	79	402	360	18	68	68	51		24	3	550	550	281	48	134
40%	35%	100%	2.96	%06	44%	42%	38%	44%	100%	27%	85%	40.5	84%	100%	27.49	,	32.11	78%	63%	53%	36%	46%	35%
		gi 4680667 gb AAD2 7723.1 AF132948_1	PF00047	gi 3894323 dbj BAA3	4639.1				_	•		PF00797	gi 2624972 gb AAB9	4880.1	PF00335		PF00240	gi 5733824 gb AAD4	9751.1 AF176069_1		gi 53669 emb CAA37	876.1	
		(AF132948) CGI-14 protein [Homo sapiens]	PFAM: IG (immunoglobulin) superfamily	(AB020063) Keap1 [Mus	musculus]		•					PFAM: N- acetyltransferase	(AF020313) proline-rich	protein 48 [Mus	PFAM: 4 transmembrane	segments integral	PFAM: Ubiquitin family	(AF176069) ubiquilin	[Homo sapiens]		decorin (PGII) [Mus	musculus]	
		blastx.14	HMMER 1.8	blastx.14								HMMER 2.1.1	blastx.14		HMMER	1.8	HMMER 1.8	blastx.14			blastx.14		
		7997	8003	8051								2908	8125		8141		8184				8196		
		966347	733297	955894								529571	909931		893995		927097				921263		
		HNFID11	HNFHR56	HNEDO77								HNEBJ81	HMWEN61		HMWBT59		HMSMN71				HMSJL53	,	

128 421	2 103	273 302	227 271	137 301 310 426	5 283	2 232	20 256	254 469 468 512	172 234	3 203	188 532 601 789	369 440
29.1	100%	2.61	2.03	49%	81.6	88.5	150.92	100%	3.43	100%	35%	42.8
PF00787	gi 3493139 gb AAC3 3292.1	PF00099	PF00130	gi 1339910 dbj BAA0 9454.1	PF01733	PF00857	PF00483	gi 290545 gb AAA62 048.1	PF00293	dbj BAA35499.1	gb AAB82947.1	PF00560
PFAM: PX domain	(AF083331) kinesin-like protein KIF1B [Rattus norvegicus]	PFAM: Zinc-binding metalloprotease domain	PFAM: Phorbol esters / diacylglycerol binding domain	DOCK180 protein [Homo sapiens]	PFAM: Nucleoside transporter	PFAM: Isochorismatase family	PFAM: ADP-glucose pyrophosphorylase	f270 [Escherichia coli]	PFAM: Bacterial mutT protein	Hypothetical protein MJ0456 [Escherichia coli]	(AF027204) putative tetraspan transmembrane protein L6H [Homo sapiens]	PFAM: Leucine Rich
HMMER 2.1.1	blastx.14	HMMER 1.8	HMMER 1.8	blastx.14	HMMER 2.1.1	HMMER 2.1.1	HMMER 1.8	blastx.14	HMMER 1.8	blastx.2	blastx.2	HIMMER
8218	8240	8258	8320	8327	8350	8362	8365		8367	8368	8369	8377
784966	266606	796724	731523	959005	771795	856266	950168		669436	956705	899404	944465
HMSHE81	HMSDL70	HMSBO95	HMMBL55	HMMAT08	HMCHZ77	HMALZ77	HMAJL09	·	HMAIQ20	HMAIH15	HMAIA55	HMADF74

674	176	365	420	989	131	608	487	519	134		_	408			1326	754		252			252	365	100	504
294	418	. 222	133	489	33	723	398	436	96)		304			1249	710) (157			157	333	41	160
34%	116	59.8	88%	95%	 	82%	%06	13.18	4.45			22.8			12.84	3.14		40.5		-	%59	72%	30%	101.9
emb CAA76000.1	PF01263	PF02096	gi 53169 emb CAA36	803.1				PF00125	PF00076			PF00701			PF00125	PF00099		PF00147			gi 4378598 gb AAD1	9608.1		PF00651
leucine-rich repeat protein [Arabidoosis thaliana]	PFAM: Aldose 1- epimerase	PFAM: 60Kd inner membrane protein	GTP binding protein [Mus	mnscninsj				PFAM: Core histones H2A, H2B, H3 and H4	PFAM: RNA recognition	motif. (aka RRM, RBD,	or RNP domain)	PFAM:	Dihydrodipicolinate	synthetase family	PFAM: Core histones	PFAM: Zinc-binding	metalloprotease domain	PFAM: Fibrinogen beta	and gamma chains, C-	terminal globular domain	(AF107253) angiopoietin	Y l [Homo sapiens]		PFAM: BTB/POZ domain
blastx.2	HMMER 2.1.1	HMMER 2.1.1	blastx.14					HMMER 1.8	HMMER	1.8		HIMIMER	2.1.1		HMMER 1.8	HMMER	1.8	HMMER	2.1.1		blastx.14			HMMER
	8379	8381	8386					8387	8401			8431			8459	8463		8555					, 6	8581
	922354	388074	932994				7 11 000	/03776	966539			943886			949401	790234		910804					20000	88/3/5
	HMACV54	HMABD66	HLYHK61				, CALLACT TAT	HLYHK34	HLYGQ11			HLYEA70			HLYCF37	HLYBX91		HLMHL66					111 OD 1 (2)	HLCDA6/

	146	212	206	200	206	206	212	233	212	191	212	206	191	212	212	149	149	161	212	149	234	234	234	234	234	234	234	234	234
	78	3	n	3	3	9	6	33	18	m	21	m	21	B	12	3	3	9	69	3	166	172	172	172	181	181	181	154	181
	39.9	62%	64%	26%	54%	26%	47%	42%	43%	46%	40%	38%	43%	40%	43%	42%	42%	48%	37%	36%	39%	47%	38%	33%	44%	20%	25%	25%	20%
	PF00096	gb AAB97932.1																											
	PFAM: Zinc finger, C2H2 type	(AC004076) R30217_1	[Homo sapiens]												444	-													
2.1.1	HMMER 2.1.1	blastx.2																									**************************************		
	0098				_																	- Plants							
	909242																												
	HJPAY56											<u>.</u>																	

234	234	234	234	533	291	840	357	698	258	450	306	507	241	43	99	440	257	809	488	685	450	380	82
208	181	208	190	96	205	520	85	798	151	94	76	325	38	3	251	541	346	525	441	641	118	102	2
77%	44%	25%	46%	78.6	12.67	%88	%86	28%	25%	59.7	62%	47%	32%	53%	28%	52%	20%	%19	%95	53%	175.4	132.1	3.92
				PF00962	PF00515	gi 4809026 gb AAD3	0062.1			PF00587	gi 3157938 gb AAC1	7621.1	gil57053lemblCAA29	033.1	gi 2764951 emb CAA	67705.1		gi 722379 gb AAC46	685.1		PF00144	PF00144	PF00271
				PFAM: Adenosine/AMP deaminase	PFAM: TPR Domain	(AF132856) suppressor of	G2 allele of skp1 homolog	[Homo sapiens]		PFAM: tRNA synthetase class II (G, H, P, S and T)	(AC002131) Similar to	seryl-tRNA synthetase 1 [Arabidonsis thaliana]	ORF 3 [Rattus	norvegicus]	IP63 protein [Rattus	norvegicus]		similar to NIFS protein	(nitrogen fixation)	[Caenorhabditis elegans]	PFAM: Beta-lactamase	PFAM: Beta-lactamases	PFAM: Helicases
				HMMER 2.1.1	HMMER 1.8	blastx.14				HMMER 2.1.1	blastx.14		blastx.14		blastx.14			blastx.14			HMMER 2.1.1	HMMER 1.8	HMMER
				8604	8611					8638	 -		8643		8681			8704			8711	8712	8739
0. 1 .				586675	925805					942859			933879		925436			917366			878217	. 297828	773538
				HJPAA60	HJBCZ05					HHEZO92	•		HHEWX06		HHEPG59			HHEMG02			HHELA35	HHEKZ12	HHEAJ78

	445	103	995	592	517	467	617	489	160	365		201		252	549	626	582	702	253	847	152	480	468	468	513	468
	53	35	519	563	491	441	292	448	41	454	_	-		-	343	549	208	331	23	707	96	349	328	325	316	331
	87%	\ %09	 %88	100%	100%	%88	28%	27%	25%	6:39		115.8		73%	20%	42%	39.4	%66	%26	%16	9.17	40%	36%	31%	27%	32%
	gi 559715 dbj BAA07	556.1					-	•		PF00271		PF01565		gb AAA79142.1			PF00041	gb AAD27814.1 AF1	17210_1		PF00125	gi 1196421 gb AAC4	1947.1			
conserved C-terminal domain	The hal 438 gene product	is related to a C728	protein 1							PFAM: Helicases	conserved C-terminal domain	PFAM: FAD binding	domain	Aip2p [Saccharomyces	cerevisiae]		PFAM: Fibronectin type III domain	(AF117210) host cell	factor 2 [Homo sapiens]		PFAM: Core histones H2A, H2B, H3 and H4	alpha-3 type IX collagen	[Homo sapiens]			
1.8	blastx.14									HMMER	1.8	HMMER	2.1.1	blastx.2			HMMER 2.1.1	blastx.2			HMMER 1.8	blastx.14		3-44		
	8743									8761	į	8765					8928				8771	8778				
	932265		···	·						960973		942561					741361				961147	913683				
	HHEAA02									HFSAG03		HEOOA49					HEONO59				HEONL09	HEOMX01				

						34%	328	468
						61%	241	279
				-		35%	328	411
						41%	337	408
						77%	241	267
		_				63%	241	273
						28%	244	279
						%99	306	332
		•				35%	185	244
						28%	394	468
HDTJF05	931977	8804	blastx.14	polyprotein [Hepatitis C	gi 464178 dbj BAA03	53%	394	438
				virus]	581.1	47%	168	218
						20%	49	96
						%09	208	237
						75%	258	281
HDTI074	933606	8805	blastx.14	(AL021749) protein	gi 2842482 emb CAA	45%	148	5
				phosphatase 2C-like	16879.1			
				protein [Arabidopsis				
				thaliana]				
HDTI016	934151	9088	HIMMER	PFAM: WD domain, G-	PF00400	117.6	164	283
			2.1.1	beta repeat				
			blastx.14	(AF072880) SOCS box-	gi[4754060 gb AAD2	%66	2	613
				containing WD protein	8808.1 AF072880_1	85%	610	672
				SWiP-1 [Homo sapiens]		%02	989	715
HDTDP02	919572	8831	blastx.14	(AF151872) CGI-114	gi 4929697 gb AAD3	%9 <i>L</i>	135	212
				protein [Homo sapiens]	4109.1 AF151872_1			
HDTDD72	887710	8836	HMMER	PFAM: ATP synthase A	PF00119	85.33	165	350
			1.8	chain				
HDTDB37	587699	8844	HMMER	PFAM: Zinc-binding	PF00099	2.43	201	218
•			1.8	metalloprotease domain				
HDTCC55	934923	8846	blastx.14	(AL117483) hypothetical	gi 5911963 emb CAB	46%	306	389

542		167	1004	199	1408		1408		146		1067		1070	135		252			410	263				
453	4	105	615	278	1331		1331		66		1783		1723	19					144	192		12	12	335
46%	35%	42%	53.09	53.23	12.8		12.8		4.29		197.8		%99	32.9		61%			%86	52.4		40%	36%	46%
55956.1			PF00054	PF00054	PF00125		PF00125		PF00099		PF00632		pir B38919 B38919	PF00096		gb AAD22522.1 AF0	91457_1		gi 4206088 gb AAD1	PF00096		gb AAC50252.1		
protein [Homo sapiens]			PFAM: Laminin G domain	PFAM: Laminin G	PFAM: Core histones	H2A, H2B, H3 and H4	PFAM: Core histones	H2A, H2B, H3 and H4	PFAM: Zinc-binding	metalloprotease domain	PFAM: HECT-domain	(ubiquitin-transferase).	hypothetical protein 2 - human (fragment)	PFAM: Zinc finger, C2H2	type	(AF091457) zinc finger	protein RIN ZF [Rattus	norvegicus	(AF086837) snapin	PFAM: Zinc finger, C2H2	type	zinc finger protein	ZNF132 [Homo sapiens]	
			HMMER 1.8	HMMER 1.8	HMMER	1.8	HMMER	1.8	HMMER	1.8	HMMER	2.1.1	blastx.14	HMMER	2.1.1	blastx.2			blastx.14	HMMER	2.1.1	blastx.2		
			8860	9731	8871		9732		6688		8916			8628					8932	8934				
			899636	902517	937609		941948		915919		957580			961309					914667	909040			-	
			HDTBD67	HDTBD67	HDTAA31		HDTAA31		HDPXN01		HDPUN39			HDPSB10					HDPRR24	HDPRJ04				

	_																													
538	377	377	574	377	574	377	538	377	553	377	574	377	553	377	538	556	377	371	553	571	517	377	553	538	371	194	611	611	611	611
335	18	12	335	12	335	12	335	12	335	12	335	12	335	12	380	326	12	39	335	380	335	12	380	380	93	51	513	570	534	573
47%	35%	34%	41%	34%	38%	31%	44%	28%	43%	30%	37%	31%	41%	31%	46%	36%	78%	30%	36%	35%	37%	27%	34%	33%	76%	33%	36%	20%	30%	%69
												-					***************************************													
																			V-10			-							one grayers and	
											Wald as								AWD.	•					_					
																		_												
										_										_										

611 611 611 611 365 611 374 611 376 576 576 576 576 576 576 576 576 576 5		797	226	445
	+	1 1		4
534 573 573 582 513 303 513 573 574 544 544 544 540 530	700 771 803 823	417	366	287
30% 46% 46% 50% 31% 31% 45% 45% 45% 41% 60% 60%	85% 54% 100% 66%	102.12 78% 92%	87%	57.51
gi 5080816 gb AAD3 9325.1 AC007258_14	pir JE0363 JE0363	PF00065 dbj BAA09322.1	gi 3694664 gb AAC6 2434.1	PF00433
(AC007258) Putative ATPase [Arabidopsis thaliana]	mitogen-activated protein kinase kinase kinase (EC 2.7) 1	PFAM: Neurotransmittergated ion-channel GABA receptor rho-3 subunit precursor [Rattus	(AC004893) similar to NEDD-4 (KIA0093); similar to P46934 (PID:g1171682) [Homo sapiens]	PFAM: Protein kinase C
blastx.14	blastx.14	HMMER 1.8 blastx	blastx.14	HMMER
8939	8941	8959	6868	8991
955006	923120	973945	921381	909833
HDPQI68	HDPQF03	HDPLT62	HDPGS45	HDPGS16

			1.8	terminal domain				
			blocky 2		1, 10, 0, 0, 1, 0, 1			
			Olastx.2	(AJ245/09) Akt-3 protein	emb CAB53537.1	100%	236	460
סהקתתתוו	70000	0000		TIOINO Sapiens		100%	3	116
HDFFL/0	/09684	9003	HMMER 1.8	PFAM: Core histones H2A, H2B, H3 and H4	PF00125	13.5	662	745
HDPFB03	936331	9015	blastx.14	(AF043726) PHD-finger	gi 4529845 gb AAD2	38%	341	553
HDPDD12	970592	9017	blastx.14	(AF000998) CLOCK	gi 2114488 gb AAC5	%98	284	370
				[Mus musculus]	3200.1			•
HDPCM62	454740	9031	HMMER	PFAM: Laminin B	PF00052	2.03	152	208
			1.8	(Domain IV)			1	2
HCWKR86	784705	6806	HMMER	PFAM: Zinc-binding	PF00099	2.26	296	340
			1.8	metalloprotease domain				
HCWFA35	908820	9114	HMMER 1.8	PFAM: DnaJ, prokaryotic heat shock protein	PF00226	116.61	08	274
			blastx.14	Curved DNA-hinding	mil165140114151112 A A 2	/000	0)	100
				protein cbpA [Escherichia	6142.1	0/0/	 0 0	304
				C011				
HCUGN19	716989	9181	HMMER	PFAM: Alcohol/other	PF00106	8.05	86	151
			1.8	dehydrogenases, short chain type))	t)
HCUGL20	668913	9184	HMMER 1.8	PFAM: Ank repeat	PF00023	7.2	190	261
HCFNG10	848225	9310	HMMER	PFAM: HMG (high	PF00505	6.03	305	376
COLD STOXE	,		1.8	mobility group) box				
HCFMZ90	922112	9315	HMMER	PFAM: Beta-ketoacyl	PF00109	194.57	291	872
	-		1.8	synthases				
	-		blastx.14	(AF021234) 3-oxoacyl-	gi 2522482 gb AAB8	57%	465	824
				[acyl-carrier-protein]-	1078.1	26%	255	494
				synthase [Neurospora		41%	91	306

	362	98 407			_		_	2 232		3 182				6 152	3 252		2 325		8 866				5 185
	198		10		_	179		122			26		287	96	193				798		909	618	99
	55.5	42%	%68	95%	100%	10.89		20.81		93%	100%	100%	%56	%68	3.77		232.2		06		%89	33%	36%
	PF01772	gi 488750 emb CAA3 4890 11	gb AAF29005.1 AF1	61445_1		PF00125	ייייייייייייייייייייייייייייייייייייייי	Fruuu4		gi 4093159 gb AAC9	9774.1	-	gi 438164 emb CAA8	0472.1[PF00130		PF01283		PF00096		gb AAF03152.1 AF1	85576_1	
crassal	PFAM: Isopentenyldiphosphate delta-isomerase	homologue of yeast IPP isomerase [Homo saniens]	(AF161445) HSPC327	[Homo sapiens]		PFAM: Core histones	DEAM, ATD.	associated with various	cellular activities (AAA)	(AF093403) 2-amino-3-	ketobutyrate-coenzyme A	ligase [Mus musculus]	Rab24 protein [Mus	musculus	PFAM: Phorbol esters / diacylglycerol binding	domain	PFAM: Ribosomal protein	S26e	PFAM: Zinc finger, C2H2	type	(AF185576) POZ/zinc	finger transcription factor	ODA-8 [Mus musculus]
	HMMER 2.1.1	blastx.14	blastx.2			HMMER	HWANAED	1.8		blastx.14			blastx.14		HMMER 1.8		HMMER	2.1.1	HIMMER	2.1.1	blastx.2		
	9316		9321	_		9337	0355			9390			9415		9423		9437		9438				
	920506		955281			850426	781946			923730			912789	2 2 3 3 2 2	726475		849633		900883				
	HCFMW71		HCFMJ37			HCFCG23	HRTAF84			HBMTB85			HBMBF89	TI THE CO	HBJNB52		HBJLR37		HBJLR31				

		216	283	371		204		1005)	876	975	447	1041	963	100	251	107	171		443		277	486	564		1007
		157	215	201		181		931		451	880	349	985	916	41	135	C	145		423		444	536	358)	741
		%06	73%	64		1.57		13.48		20%	29%	33%	42%	43%	8.96	32.1		2.72		3.09		48%	47%	43.4		40%
		gb AAD52965.1 AF1	61081_1	PF00046		PF00052		PF00054		gi 1857708 gb AAB4	8481.1				PF00027	PF00400		PF00130		PF00099	4. 19	gi 5802816 gb AAD5	1794.1 AF164612 1	PF00561		gil3878848 emb CAB
(immunoglobulin)	superfamily	(AF161081) activatory	receptor PIRIIbeta [Homo sapiens]	PFAM: Homeobox	domain	PFAM: Laminin B	(Domain IV)	PFAM: Laminin G	domain	contactin associated	protein [Homo sapiens]				PFAM: Cyclic nucleotide-	PFAM: WD domain, G-	beta repeat	PFAM: Phorbol esters /	diacylglycerol binding domain	PFAM: Zinc-binding	metalloprotease domain	(AF164612) Gag protein	[Homo sapiens]	PFAM: alpha/beta	hydrolase fold	similar to alpha/beta
1.8		blastx.2		HMMER	2.1.1	HIMMER	1.8	HMMER	1.8	blastx.14					HMMER 1.8	HMMER	2.1.1	HMMER	1.8	HMMER	1.8	blastx.14		HMMER	2.1.1	blastx.14
	··	· · · · · · · · · · · · · · · · · · ·		9453		9461		9466	· · · · · · · · · · · · · · · · · · ·						9472	9484		9522		9524		9527		9532		
				894345		930448		971377				· • · · · · · · · · · · · · · · · · · ·			923800	423885	,	660552		864344		930956		952057		
				HBJJT12	07 11A1 CILL	HBJIH60 		HBJHX73	*					O E CI CII	HBJG103 	HBJFC23		HBJAB15		HBDAD64		HBCCJ05		HBCBN51		

	_				
	429	69	525	717	577
	358	7	478	658	541
	%85	21%	62%	45%	54%
	03219.1				
	hydrolase fold; cDNA	EST 1			
				•	
_					

Table 2 further characterizes certain encoded polypeptides of the invention. [053] by providing the results of comparisons to protein and protein family databases. The first column provides a unique clone identifier, "Clone ID NO:", corresponding to a cDNA clone disclosed in Table 1A. The second column provides the unique contig indentifier, "Contig ID:" which allows correlation with the information in Table 1A. The third column provides the sequence identifier, "SEQ ID NO:X", for the contig polynucleotide The fourth column provides the analysis method by which the sequences. homology/identity disclosed in the row was determined. The fifth column provides a description of PFam/NR hits having significant matches identified by each analysis. Column six provides the accession number of the PFam/NR hit disclosed in the fifth column. Column seven, "Score/Percent Identity", provides a quality score or the percent identity, of the hit disclosed in column five. Comparisons were made between polypeptides encoded by polynucleotides of the invention and a non-redundant protein database (herein referred to as "NR"), or a database of protein families (herein referred to as "PFam"), as described below.

The NR database, which comprises the NBRF PIR database, the NCBI [054] GenPept database, and the SIB SwissProt and TrEMBL databases, was made nonredundant using the computer program nrdb2 (Warren Gish, Washington University in Saint Louis). Each of the polynucleotides shown in Table 1A, column 3 (e.g., SEQ ID NO:X or the 'Query' sequence) was used to search against the NR database. The computer program BLASTX was used to compare a 6-frame translation of the Query sequence to the NR database (for information about the BLASTX algorithm please see Altshul et al., J. Mol. Biol. 215:403-410 (1990), and Gish et al., Nat. Genet. 3:266-272 (1993)). A description of the sequence that is most similar to the Query sequence (the highest scoring 'Subject') is shown in column five of Table 2 and the database accession number for that sequence is provided in column six. The highest scoring 'Subject' is reported in Table 2 if (a) the estimated probability that the match occurred by chance alone is less than 1.0e-07, and (b) the match was not to a known repetitive element. BLASTX returns alignments of short polypeptide segments of the Query and Subject sequences which share a high degree of similarity; these segments are known as High-Scoring Segment Pairs or HSPs. Table 2 reports the degree of similarity between the Query and the Subject for each HSP as a percent identity in Column 7. The percent

identity is determined by dividing the number of exact matches between the two aligned sequences in the HSP, dividing by the number of Query amino acids in the HSP and multiplying by 100. The polynucleotides of SEQ ID NO:X which encode the polypeptide sequence that generates an HSP are delineated by columns 8 and 9 of Table 2.

[055] The PFam database, PFam version 5.2, (Sonnhammer et al., Nucl. Acids Res., 26:320-322, (1998)) consists of a series of multiple sequence alignments; one alignment for each protein family. Each multiple sequence alignment is converted into a probability model called a Hidden Markov Model, or HMM, that represents the positionspecific variation among the sequences that make up the multiple sequence alignment (see, e.g., R. Durbin et al., Biological sequence analysis: probabilistic models of proteins and nucleic acids, Cambridge University Press, 1998 for the theory of HMMs). The program HMMER version 1.8 (Sean Eddy, Washington University in Saint Louis) was used to compare the predicted protein sequence for each Query sequence (SEQ ID NO:Y in Table 1A) to each of the HMMs derived from PFam version 5.2. A HMM derived from PFam version 5.2 was said to be a significant match to a polypeptide of the invention if the score returned by HMMER 1.8 was greater than 0.8 times the HMMER 1.8 score obtained with the most distantly related known member of that protein family. The description of the PFam family which shares a significant match with a polypeptide of the invention is listed in column 5 of Table 2, and the database accession number of the PFam hit is provided in column 6. Column 7 provides the score returned by HMMER version 1.8 for the alignment. Columns 8 and 9 delineate the polynucleotides of SEQ ID NO:X which encode the polypeptide sequence which shows a significant match to a PFam protein family.

[056] As mentioned, columns 8 and 9 in Table 2, "NT From" and "NT To", delineate the polynucleotides of "SEQ ID NO:X" that encode a polypeptide having a significant match to the PFam/NR database as disclosed in the fifth column of Table 2. In one embodiment, the invention provides a protein comprising, or alternatively consisting of, a polypeptide encoded by the polynucleotides of SEQ ID NO:X delineated in columns 8 and 9 of Table 2. Also provided are polynucleotides encoding such proteins, and the complementary strand thereto.

The nucleotide sequence SEQ ID NO:X and the translated SEQ ID NO:Y are sufficiently accurate and otherwise suitable for a variety of uses well known in the art and described further below. For instance, the nucleotide sequences of SEQ ID NO:X are useful for designing nucleic acid hybridization probes that will detect nucleic acid sequences contained in SEQ ID NO:X or the cDNA contained in Clone ID NO:Z. These probes will also hybridize to nucleic acid molecules in biological samples, thereby enabling immediate applications in chromosome mapping, linkage analysis, tissue identification and/or typing, and a variety of forensic and diagnostic methods of the invention. Similarly, polypeptides identified from SEQ ID NO:Y may be used to generate antibodies which bind specifically to these polypeptides, or fragments thereof, and/or to the polypeptides encoded by the cDNA clones identified in, for example, Table 1A.

Nevertheless, DNA sequences generated by sequencing reactions can contain sequencing errors. The errors exist as misidentified nucleotides, or as insertions or deletions of nucleotides in the generated DNA sequence. The erroneously inserted or deleted nucleotides cause frame shifts in the reading frames of the predicted amino acid sequence. In these cases, the predicted amino acid sequence diverges from the actual amino acid sequence, even though the generated DNA sequence may be greater than 99.9% identical to the actual DNA sequence (for example, one base insertion or deletion in an open reading frame of over 1000 bases).

[059] Accordingly, for those applications requiring precision in the nucleotide sequence or the amino acid sequence, the present invention provides not only the generated nucleotide sequence identified as SEQ ID NO:X, and a predicted translated amino acid sequence identified as SEQ ID NO:Y, but also a sample of plasmid DNA containing cDNA Clone ID NO:Z (deposited with the ATCC on October 5, 2000, and receiving ATCC designation numbers PTA 2574 and PTA 2575; deposited with the ATCC on January 5, 2001, having the depositor reference numbers TS-1, TS-2, AC-1, and AC-2; and/or as set forth, for example, in Table 1A, 6 and 7). The nucleotide sequence of each deposited clone can readily be determined by sequencing the deposited clone in accordance with known methods. Further, techniques known in the art can be used to verify the nucleotide sequences of SEQ ID NO:X.

[060] The predicted amino acid sequence can then be verified from such deposits. Moreover, the amino acid sequence of the protein encoded by a particular clone can also be directly determined by peptide sequencing or by expressing the protein in a suitable host cell containing the deposited human cDNA, collecting the protein, and determining its sequence.

RACE Protocol For Recovery of Full-Length Genes

Partial cDNA clones can be made full-length by utilizing the rapid [061]amplification of cDNA ends (RACE) procedure described in Frohman, M.A., et al., Proc. Nat'l. Acad. Sci. USA, 85:8998-9002 (1988). A cDNA clone missing either the 5' or 3' end can be reconstructed to include the absent base pairs extending to the translational start or stop codon, respectively. In some cases, cDNAs are missing the start codon of translation. The following briefly describes a modification of this original 5' RACE procedure. Poly A+ or total RNA is reverse transcribed with Superscript II (Gibco/BRL) and an antisense or complementary primer specific to the cDNA sequence. The primer is removed from the reaction with a Microcon Concentrator (Amicon). The first-strand cDNA is then tailed with dATP and terminal deoxynucleotide transferase (Gibco/BRL). Thus, an anchor sequence is produced which is needed for PCR amplification. The second strand is synthesized from the dA-tail in PCR buffer, Taq DNA polymerase (Perkin-Elmer Cetus), an oligo-dT primer containing three adjacent restriction sites (XhoI, Sall and ClaI) at the 5' end and a primer containing just these restriction sites. This double-stranded cDNA is PCR amplified for 40 cycles with the same primers as well as a nested cDNA-specific antisense primer. The PCR products are size-separated on an ethidium bromide-agarose gel and the region of gel containing cDNA products the predicted size of missing protein-coding DNA is removed. cDNA is purified from the agarose with the Magic PCR Prep kit (Promega), restriction digested with XhoI or SalI, and ligated to a plasmid such as pBluescript SKII (Stratagene) at XhoI and EcoRV sites. This DNA is transformed into bacteria and the plasmid clones sequenced to identify the correct protein-coding inserts. Correct 5' ends are confirmed by comparing this sequence with the putatively identified homologue and overlap with the partial cDNA clone. Similar methods known in the art and/or commercial kits are used to amplify and recover 3' ends.

Several quality-controlled kits are commercially available for purchase. Similar reagents and methods to those above are supplied in kit form from Gibco/BRL for both 5' and 3' RACE for recovery of full length genes. A second kit is available from Clontech which is a modification of a related technique, SLIC (single-stranded ligation to single-stranded cDNA), developed by Dumas et al., Nucleic Acids Res., 19:5227-32 (1991). The major differences in procedure are that the RNA is alkaline hydrolyzed after reverse transcription and RNA ligase is used to join a restriction site-containing anchor primer to the first-strand cDNA. This obviates the necessity for the dA-tailing reaction which results in a polyT stretch that is difficult to sequence past.

[063] An alternative to generating 5' or 3' cDNA from RNA is to use cDNA library double-stranded DNA. An asymmetric PCR-amplified antisense cDNA strand is synthesized with an antisense cDNA-specific primer and a plasmid-anchored primer. These primers are removed and a symmetric PCR reaction is performed with a nested cDNA-specific antisense primer and the plasmid-anchored primer.

RNA Ligase Protocol For Generating The 5' or 3' End Sequences To Obtain Full Length Genes

[064]Once a gene of interest is identified, several methods are available for the identification of the 5' or 3' portions of the gene which may not be present in the original cDNA plasmid. These methods include, but are not limited to, filter probing, clone enrichment using specific probes and protocols similar and identical to 5' and 3' RACE. While the full length gene may be present in the library and can be identified by probing, a useful method for generating the 5' or 3' end is to use the existing sequence information from the original cDNA to generate the missing information. A method similar to 5' RACE is available for generating the missing 5' end of a desired full-length gene. (This method was published by Fromont-Racine et al., Nucleic Acids Res., 21(7):1683-1684 (1993)). Briefly, a specific RNA oligonucleotide is ligated to the 5' ends of a population of RNA presumably containing full-length gene RNA transcript. A primer set containing a primer specific to the ligated RNA oligonucleotide and a primer specific to a known sequence of the gene of interest, is used to PCR amplify the 5' portion of the desired full length gene which may then be sequenced and used to generate the full length gene. This method starts with total RNA isolated from the desired source, poly A RNA may be

used but is not a prerequisite for this procedure. The RNA preparation may then be treated with phosphatase if necessary to eliminate 5' phosphate groups on degraded or damaged RNA which may interfere with the later RNA ligase step. The phosphatase, if used, is then inactivated and the RNA is treated with tobacco acid pyrophosphatase in order to remove the cap structure present at the 5' ends of messenger RNAs. This reaction leaves a 5' phosphate group at the 5' end of the cap cleaved RNA which can then be ligated to an RNA oligonucleotide using T4 RNA ligase. This modified RNA preparation can then be used as a template for first strand cDNA synthesis using a gene specific oligonucleotide. The first strand synthesis reaction can then be used as a template for PCR amplification of the desired 5' end using a primer specific to the ligated RNA oligonucleotide and a primer specific to the known sequence of the immune/hematopoietic antigen of interest. The resultant product is then sequenced and analyzed to confirm that the 5' end sequence belongs to the relevant immune/hematopoietic antigen.

The present invention also relates to vectors or plasmids which include such [065] DNA sequences, as well as the use of the DNA sequences. The material deposited with the ATCC (deposited with the ATCC on October 5, 2000, and receiving ATCC designation numbers PTA 2574 and PTA 2575; deposited with the ATCC on January 5, 2001, having the depositor reference numbers TS-1, TS-2, AC-1, and AC-2; and/or as set forth, for example, in Table 1A, 6 and 7) is a mixture of cDNA clones derived from a variety of human tissue and cloned in either a plasmid vector or a phage vector, as shown, for example, in Table 7. These deposits are referred to as "the deposits" herein. The tissues from which some of the clones were derived are listed in Table 7, and the vector in which the corresponding cDNA is contained is also indicated in Table 7. The deposited material includes cDNA clones corresponding to SEO ID NO:X described, for example, in Table 1A (Clone ID NO:Z). A clone which is isolatable from the ATCC Deposits by use of a sequence listed as SEQ ID NO:X, may include the entire coding region of a human gene or in other cases such clone may include a substantial portion of the coding region of a human gene. Furthermore, although the sequence listing may in some instances list only a portion of the DNA sequence in a clone included in the ATCC Deposits, it is well within the ability of one skilled in the art to sequence the DNA included in a clone contained in the ATCC Deposits by use of a sequence (or portion

thereof) described in, for example Tables 1A or 2 by procedures hereinafter further described, and others apparent to those skilled in the art.

- [066] Also provided in Table 7 is the name of the vector which contains the cDNA clone. Each vector is routinely used in the art. The following additional information is provided for convenience.
- [067] Vectors Lambda Zap (U.S. Patent Nos. 5,128,256 and 5,286,636), Uni-Zap XR (U.S. Patent Nos. 5,128,256 and 5,286,636), Zap Express (U.S. Patent Nos. 5,128,256 and 5,286,636), pBluescript (pBS) (Short, J. M. et al., Nucleic Acids Res. 16:7583-7600 (1988); Alting-Mees, M. A. and Short, J. M., Nucleic Acids Res. 17:9494 (1989)) and pBK (Alting-Mees, M. A. et al., Strategies 5:58-61 (1992)) are commercially available from Stratagene Cloning Systems, Inc., 11011 N. Torrey Pines Road, La Jolla, CA, 92037. pBS contains an ampicillin resistance gene and pBK contains a neomycin resistance gene. Phagemid pBS may be excised from the Lambda Zap and Uni-Zap XR vectors, and phagemid pBK may be excised from the Zap Express vector. Both phagemids may be transformed into E. coli strain XL-1 Blue, also available from Stratagene.
- [068] Vectors pSport1, pCMVSport 1.0, pCMVSport 2.0 and pCMVSport 3.0, were obtained from Life Technologies, Inc., P. O. Box 6009, Gaithersburg, MD 20897. All Sport vectors contain an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, also available from Life Technologies. See, for instance, Gruber, C. E., et al., *Focus* 15:59- (1993). Vector lafmid BA (Bento Soares, Columbia University, New York, NY) contains an ampicillin resistance gene and can be transformed into *E. coli* strain XL-1 Blue. Vector pCR[®]2.1, which is available from Invitrogen, 1600 Faraday Avenue, Carlsbad, CA 92008, contains an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, available from Life Technologies. See, for instance, Clark, J. M., Nuc. Acids Res. 16:9677-9686 (1988) and Mead, D. et al., Bio/Technology 9: (1991).
- [069] The present invention also relates to the genes corresponding to SEQ ID NO:X, SEQ ID NO:Y, and/or the deposited clone (Clone ID NO:Z). The corresponding gene can be isolated in accordance with known methods using the sequence information disclosed herein. Such methods include preparing probes or primers from the disclosed

sequence and identifying or amplifying the corresponding gene from appropriate sources of genomic material.

- [070] Also provided in the present invention are allelic variants, orthologs, and/or species homologs. Procedures known in the art can be used to obtain full-length genes, allelic variants, splice variants, full-length coding portions, orthologs, and/or species homologs of immune/hematopoietic associated genes corresponding to SEQ ID NO:X or the complement thereof, polypeptides encoded by SEQ ID NO:X or the complement thereof, and/or the cDNA contained in Clone ID NO:Z, using information from the sequences disclosed herein or the clones deposited with the ATCC. For example, allelic variants and/or species homologs may be isolated and identified by making suitable probes or primers from the sequences provided herein and screening a suitable nucleic acid source for allelic variants and/or the desired homologue.
- [071] The polypeptides of the invention can be prepared in any suitable manner. Such polypeptides include isolated naturally occurring polypeptides, recombinantly produced polypeptides, synthetically produced polypeptides, or polypeptides produced by a combination of these methods. Means for preparing such polypeptides are well understood in the art.
- [072] The polypeptides may be in the form of the secreted protein, including the mature form, or may be a part of a larger protein, such as a fusion protein (see below). It is often advantageous to include an additional amino acid sequence which contains secretory or leader sequences, pro-sequences, sequences which aid in purification, such as multiple histidine residues, or an additional sequence for stability during recombinant production.
- [073] The polypeptides of the present invention are preferably provided in an isolated form, and preferably are substantially purified. A recombinantly produced version of a polypeptide, including the secreted polypeptide, can be substantially purified using techniques described herein or otherwise known in the art, such as, for example, by the one-step method described in Smith and Johnson, Gene 67:31-40 (1988). Polypeptides of the invention also can be purified from natural, synthetic or recombinant sources using techniques described herein or otherwise known in the art, such as, for example, antibodies of the invention raised against the immune/hematopoietic polypeptides of the present invention in methods which are well known in the art.

The present invention provides a polynucleotide comprising, or alternatively [074] consisting of, the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA sequence contained in Clone ID NO:Z. The present invention also provides a polypeptide comprising, or alternatively, consisting of, the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEQ ID NO:X or a complement thereof, a polypeptide encoded by the cDNA contained in Clone ID NO:Z, and/or the polypeptide sequence encoded by a nucleotide sequence in SEQ ID NO:B as defined in column 6 of Table 1B. Polynucleotides encoding a polypeptide comprising, or alternatively consisting of the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEO ID NO:X, a polypeptide encoded by the cDNA contained in Clone ID NO:Z and/or a polypeptide sequence encoded by a nucleotide sequence in SEQ ID NO:B as defined in column 6 of Table 1B are also encompassed by the invention. The present invention further encompasses a polynucleotide comprising, or alternatively consisting of, the complement of the nucleic acid sequence of SEQ ID NO:X, a nucleic acid sequence encoding a polypeptide encoded by the complement of the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA contained in Clone ID NO:Z.

[075] Moreover, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine. ten, or more of the sequences delineated in Table 1B column 6, or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in Table 1B column 6, or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1B, column 6, and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1B, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1B. column 6, and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in Table 1B, column 6, and have a nucleic

acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[076] Further, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1B which correspond to the same Clone ID NO:Z (see Table 1B, column 1), or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in column 6 of Table 1B which correspond to the same Clone ID NO:Z (see Table 1B, column 1), or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same Clone ID NO:Z (see Table 1B, column 1) and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1B, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same Clone ID NO:Z (see Table 1B, column 1) and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same Clone ID NO:Z (see Table 1B, column 1) and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[077]Further, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1B which correspond to the same contig sequence identifer SEQ ID NO:X (see Table 1B, column 2), or any combination thereof. Additional, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in column 6 of Table 1B which correspond to the same contig sequence identifer SEO ID NO:X (see Table 1B, column 2), or any combination thereof. In further embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same contig sequence identifer SEQ ID NO:X (see Table 1B, column 2) and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1B, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same contig sequence identifer SEQ ID NO:X (see Table 1B, column 2) and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in column 6 of Table 1B which correspond to the same contig sequence identifer SEQ ID NO:X (see Table 1B, column 2) and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (See Table 1B, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides and polypeptides are also encompassed by the invention.

[078] Moreover, representative examples of polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in the same row of Table 1B column 6, or any combination thereof. Additional, representative examples of polynucleotides of the

invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in the same row of Table 1B column 6, or any combination thereof. In preferred embodiments, the polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the complementary strand(s) of the sequences delineated in the same row of Table 1B column 6, wherein sequentially delineated sequences in the table (i.e. corresponding to those exons located closest to each other) are directly contiguous in a 5' to 3' orientation. In further embodiments, above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1B, column 6, and have a nucleic acid sequence which is different from that of the BAC fragment having the sequence disclosed in SEQ ID NO:B (see Table 1B, column 5). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1B, column 6, and have a nucleic acid sequence which is different from that published for the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). In additional embodiments, the above-described polynucleotides of the invention comprise, or alternatively consist of, sequences delineated in the same row of Table 1B, column 6, and have a nucleic acid sequence which is different from that contained in the BAC clone identified as BAC ID NO:A (see Table 1B, column 4). Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[079] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1B, and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1B, column 2) or fragments or variants thereof. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

[080] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in column 6 of Table 1B which correspond to

the same Clone ID NO:Z (see Table 1B, column 1), and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1A or 1B) or fragments or variants thereof. In preferred embodiments, the delineated sequence(s) and polynucleotide sequence of SEQ ID NO:X correspond to the same Clone ID NO:Z. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.

- In further specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, one, two, three, four, five, six, seven, eight, nine, ten, or more of the sequences delineated in the same row of column 6 of Table 1B, and the polynucleotide sequence of SEQ ID NO:X (e.g., as defined in Table 1A or 1B) or fragments or variants thereof. In preferred embodiments, the delineated sequence(s) and polynucleotide sequence of SEQ ID NO:X correspond to the same row of column 6 of Table 1B. Polypeptides encoded by these polynucleotides, other polynucleotides that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention.
- [082] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1B and the 5' 10 polynucleotides of the sequence of SEQ ID NO:X are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids that encode these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.
- [083] In additional specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1B and the 5' 10 polynucleotides of a fragment or variant of the sequence of SEQ ID NO:X are directly contiguous Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower

stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of the sequence of SEQ ID NO:X and the 5' 10 polynucleotides of the sequence of one of the sequences delineated in column 6 of Table 1B are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of a fragment or variant of the sequence of SEQ ID NO:X and the 5' 10 polynucleotides of the sequence of one of the sequences delineated in column 6 of Table 1B are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides, are also encompassed by the invention.

[086] In further specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1B and the 5' 10

polynucleotides of another sequence in column 6 are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

- In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1B and the 5' 10 polynucleotides of another sequence in column 6 corresponding to the same Clone ID NO:Z (see Table 1B, column 1) are directly contiguous. Nucleic acids which hybridize to the complement of these 20 lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.
- In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of, a polynucleotide sequence in which the 3' 10 polynucleotides of one sequence in column 6 corresponding to the same contig sequence identifer SEQ ID NO:X (see Table 1B, column 2) are directly contiguous. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.
- [089] In specific embodiments, polynucleotides of the invention comprise, or alternatively consist of a polynucleotide sequence in which the 3' 10 polynucleotides of

one of the sequences delineated in column 6 of Table 1B and the 5' 10 polynucleotides of another sequence in column 6 corresponding to the same row are directly contiguous. In preferred embodiments, the 3' 10 polynucleotides of one of the sequences delineated in column 6 of Table 1B is directly contiguous with the 5' 10 polynucleotides of the next sequential exon delineated in Table 1B, column 6. Nucleic acids which hybridize to the complement of these 20 contiguous polynucleotides under stringent hybridization conditions or alternatively, under lower stringency conditions, are also encompassed by the invention. Polypeptides encoded by these polynucleotides and/or nucleic acids, other polynucleotides and/or nucleic acids encoding these polypeptides, and antibodies that bind these polypeptides are also encompassed by the invention. Additionally, fragments and variants of the above-described polynucleotides, nucleic acids, and polypeptides are also encompassed by the invention.

[090] Many polynucleotide sequences, such as EST sequences, are publicly available and accessible through sequence databases and may have been publicly available prior to conception of the present invention. Preferably, such related polynucleotides are specifically excluded from the scope of the present invention. Accordingly, for each contig sequence (SEQ ID NO:X) listed in the third column of Table 1A, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 and the final nucleotide minus 15 of SEQ ID NO:X, b is an integer of 15 to the final nucleotide of SEQ ID NO:X, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:X, and where b is greater than or equal to a + 14. More specifically, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b; where a and b are integers as defined in columns 4 and 5, respectively, of Table 3. In specific embodiments, the polynucleotides of the invention do not consist of at least one, two, three, four, five, ten, or more of the specific polynucleotide sequences referenced by the Genbank Accession No. as disclosed in column 6 of Table 3 (including for example, published sequence in connection with a particular BAC clone). In further embodiments, preferably excluded from the invention are the specific polynucleotide sequence(s) contained in the clones corresponding to at least one, two, three, four, five, ten, or more of the available material having the accession numbers identified in the sixth column of this Table (including for

example, the actual sequence contained in an identified BAC clone). In no way is this listing meant to encompass all of the sequences which may be excluded by the general formula, it is just a representative example. All references available through these accessions are hereby incorporated by reference in their entirety.

TABLE 3

		Accession #'s	AI760827, AW408019, AI253155, AI349366, AI356482, AA814034, AW075920, AW407984, AI760691, AA251937, AI766650, AA352825, AA243541, AI934100, AA352840, H72208, H72106, AW193021, AL035530, AL035530, and AL035530.	AL356513, AL356513, AL356513, AL358796, and AL358796.	AC006479, AC006479, AC006479, and AC006479.	AI240823, AC012580, AC012580, AC012580, AL133502, and AL133502.	AL133216, AC024998, AC024998, AL365438, AL365438, AL390122, AL390122, AL133216,	AL133216, AL133216, AC022702, AC022702, AC025796, AC025796, AF198096, AF198096, and AF198096.	AI908374.	AL117337, AF205588, AL022345, AL022345, AL022345, AL161931, AL161931, AL161931,	AL354975, AL354975, AL354975, AL355583, AL355583, AL355583, AL023808, AL023808,	AF205588, AF205588, AF205588, AL117337, AL117337, and AL117337.	AA642815.	AC021215.		AI150061, AA382210, AC011448, and AC011448.	AI114447, AL133243, AL133243, AL133243, and AL133243.	AA312172.	AB023431, AC005954, AC005954, AC005954, and AC068475.		AA904376, H23157, AA663798, AA359944, AA448036, R61429, H09004, AA309011, AF126245, AP001785, and AP001785.	AI057188, AW273323, C15735, AI932257, AI028587, AI940493, AW043720, AW021811,	AA858079, AW197210, AI791278, AA508647, C15853, AA181800, AW043729, AW008982,	AI918922, AI985340, AA031428, AA282285, AC007392, Z82198, AL031121, AL121840,	L24095, AC004882, AC005529, AC002070, AC008984, AL132985, AL049781, Z72006,	AC005881, AL079305, AP000263, AC005888, AC003080, AC004935, AL035667, AC005610,	AP000036, AC005186, AC004842, AL035696, AC003661, AC004503, AC009263, AL023581,	ACCOUSOUS, U41096, ALU21368, AP000567, ACCO04933, ACCO03975, AP000494, ALQ08638, AF015767, ALQ0833, ALD0833, AL	AL024507, AC005701, AP000100, AC005792, AP000566, AL023283, AC011594, AC006377,
	laimer	Range of b	15 - 3758	15-319	15 - 389	15 - 863	15 - 103		15 - 567	15 - 601			15 - 451	15 - 429	15 - 288	15 - 399	15 - 238	15 - 671	15 - 233	15 - 727	15 - 626	15 - 389							
	įį	of a	1 - 3744	1 - 305	1 - 375	1 - 849	1 - 89		1 - 553	1-587			1 - 437	1 - 415	1 - 274	1 - 385	1 - 224	1 - 657	1 - 219	1 - 713	1 - 612	1 - 375							
	Contig	D:	961376	573692	526312	958768	521835		931477	964871			864366	573989	669802	503573	573993	932514	861018	922800	935414	614849							
SEQ ID	NO:	×	=	12	13	14	15		16	17			18	19	20	21	22	23	24	25	26	27							
	Clone ID	NO: Z	HAMHB21	HASAX16	HASAY74	HASAY89	HASAY94		HBCAL36	HBCAL39			HBCAM74	HBCAR79	HBCAS69	HBCAT17	.HBCAT63	HBCBM52	HBCBX12	HBCBZ05	HBDAC79	HBDAD04					-		

HBJDX18	58	795732	1 - 544	15 - 558	T94994 and AC007546
HBJDX51	59	716395	1 - 391	15 - 405	
HBJEA22	09	674872	1 - 312	15 - 326	
HBJEA25	19	589249	1 - 498	15 - 512 ·	AA912740, AA488771, T99916, AA370641, AA376428, AA488991, AA091598, D81695, AA305205, AA053093, AT082436, AA779219, AT041880, AI652229, AI216294, AI 037847
					AA319426, AA224141, AW392797, AI240672, AA160646, AW403677, AL037869, AI240700,
HBJEA44	62	973376	1 - 447	15 - 461	ALCOTATIO, OCIOCA, ALCOLOGO, and ALCOLOGO.
HBJEA65	63	934994	1 - 543	15 - 557	T86098, and AL031589.
HBJEA90	64	895961	1 - 739	15 - 753	AA888592, AA489084, D80258, D80014, T11417, D59503, D59627, D81111, D58101, D80064,
					C14227, D58246, C06015, C14407, AI557751, AI535686, AI557774, AA514184, T03048, D51079,
	•		•		D80227, AW377671, C14298, D80269, D59695, D80168, D59467, AI535959, D50979, F13647,
					C14014, D80133, AA809122, D51213, D80188, D80522, D80043, D80378, D45273, D59502,
					D52291, D80195, AA305578, C03092, C15076, D80164, D59275, D80038, C14389, C14331,
_					D80247, D80157, D81026, D51799, D80439, D51103, H67854, D80251, D58283, D80949,
			`		AA514188, D59859, D59610, D80022, D80166, D51423, D59619, D80210, D80391, D80240,
,				•	D80253, D80045, C14344, D59787, D50995, AA305409, D59551, D81030, D80212, D80268,
					D80366, AW367950, D80196, D51022, H67866, D80219, AW178893, D57483, D80193, D59927,
-				· i	D80248, D59889, D51759, D80302, AW360834, D51060, D59317, D80241, D80024, AA514186,
					D59474, D45260, D60214, C14973, AI525237, AW177440, D51221, T03116, D59653, C14429,
					AW378539, AI525917, AW360817, C75259, AI525920, D60010, C14077, AW177505,
					AW375405, D59373, C14957, AI525227, AI525242, AW360811, C14046, C16955, C05695,
			•		AW178907, AI525923, AW178908, D80228, AI525235, T02868, AW366296, AW178906,
					AW360844, Z33452, AA285331, T03269, AI525912, AW179328, T48593, Z21582, AW375406,
					AW378534; AI525925, AI525215, AW179332, AW377672, AW360841, AW179023, AW178905,
					AW177731, AW378528, AW178762, AW179019, AW378533, AW378532, AW352120, C05763,
		:			AW352117, T02974, AW377676, AW178914, C04682, AW378542, AW360855, AW178774,
			9		AW176467, N66429, D51053, AW179020, AW352171, AW178980, AW352170, D51250,
					AW177733, AW378525, AW179024, AW352163, AI525222, AW179018, C13958, D31458,
			,	,	AW178781, AI535961, AI525928, AW378543, AW177728, AW369651, AW178986, AW177456,
					AW178911, AW378540, Z30160, AW178775, AW178909, AW179004, AW179329, AW179009,
					AW178754, AW352158, AI525228, H67858, AA305720, AW177508, AW177734, AW177497,
		•			AW179012, AI910186, AW177722, AI525216, AI525238, AI535665, AI525903, AB002449,
					AR016808, A82595, A84916, AB028859, AR060385, AJ132110, AR008278, AF058696, A62300,
					A62298, AR018138, I14842, AR054175, I50126, I50132, I50128, I50133, AR008277, AR008281,
					X64588, X68127, A70867, AR062872, I82448, I79511, AR016514, X67155, Y17187, AR060138,
					A45456, Y17188, A94995, D26022, A26615, AR052274, A43192, Y12724, A63261, A43190,

AR038669, A25909, A64136, A68321, AR066488, AR008443, Y09669, AR066487, A67220, D89785, A78862, D34614, A30438, AF123263, AR016691, AR016690, U46128, D88547, AR032065, AJ000347, D50010, AR008408, and AR060133.		AA360671, and AL035652.	AA806058.				AC002126.	AA760836, and AW085046.		AC005580.			W72060, W76253, AW291566, AI360806, AI871850, and AF086367.	AA625290, and AI394096.	AL133485.				T11506, AA490380, AA280331, AA233664, AA233243, AA232989, N49790, AI886810, AI660641, AI707610, AA243850, AA001344, AI814340, AI78247, AA897648, AA714834	AI499266, AI190321, AI832024, AI718088, AI718693, AI014672, AI091271, AW169874,	AI078790, NS2465, AI245448, AA811481, AI057060, AA744777, AA642417, N49687,	AA233330, and A12224/6.	AA23709049, AA462226, F30030, AI313001, AA349000, AA632113, A W 104766, AI302230, AA237098, H29914, AI119555, AA599423, AA878431, AI452836, AA613624, AW117860.	M62259, AI659023, AA719523, AA632479, AA643770, AA632556, AI144081, AW302711,	AW301906, AW302753, AA127426, AA493503, AA173342, AA664604, H69515, AI053560,	N90460, AA837000, AA481887, AA804187, AA720732, H86106, AA394066, AI865807,	AI701959, AA467988, AA586656, AA468051, AA992877, AA911515, AA515728, AW068316,	AW188742, AI369580, AI354847, AA323085, C16659, AA995827, F24728, R98218, AA302817,	AC005011, AF001549, Z98304, AC004383, AC006312, AC005696, AC005488, AC005412,	AC006088, AL049778, AC005682, AC005544, AL021937, AC006515, AL049636, AC004887,
	15 - 175	15 - 525	15 - 427	15 - 79	15 - 424	15 - 305	15 - 425	15 - 428	15 - 337	15 - 377	15 - 334	15 - 263	15 - 622	15 - 662	15 - 272	15 - 664	15 - 290	15 - 364	15 - 334			15 400	13 - 490							
	1 - 161	1 - 511	1 - 413	1 - 65	1 - 410	1 - 291	1 - 411	1 - 414	1 - 323	1 - 363	1 - 320	1 - 249	1 - 608	1 - 648	1 - 258	1 - 650	1 - 276	1 - 350	1 - 320				1 - 404				-			
	787251	888625	531103	971161	669495	671201	693490	847920	693491	847843	764573	953804	715846	527553	794343	507534	573781	421567	690479			775010	01007/							
	. 65	99	29	89	69	10	71	72	73	74	75	91	11	78	62	80	81	82	83			10		_			•	,		
. ,	HBJED66	HBJEE29	HBJEE30	HBJEH70	HBJEI42	HBJEJ21	HBJEJ29	HBJEJ83	HBJE029	HBJEP15	HBJEP73	HBJER19	HBJES44	HBJET76	HBJET94	HBJEW15	HBJEZ09	HBJEZ16	HBJEZ39.			TID IECG1						,	-	

AL034417, AC004796, AC004895, AL121757, AL031587, AC006141; AL049829, AC002492, AL032345, AC013284, AC005484, AC005530, T82844, AD026577, T101338, AC003303	AC004050, Z95114, AF001550, AL035079, AC004682, AL034421, AC005041, AL109627.	AC002531, AC006432, AC002310, Z95115, AC004148, AC004671, AL121603, AL109952,	Z92542, AJ010598, AC005808, AL022726, AC005300, AC004584, AC005874, AF134471,	AC006117, AL049776, AC005089, AC004686, AC004941, AC005037, AC005049, M63796,	AF050154, S42653, AC005015, AC003043, AL033527, AC006254, AC016830, Z77249, Z95116,	AC005291, AL031672, AC006530, Z86090, AC002351, AL031577, AL096712, AC004106,	AC004622, AC006077, AC005902, AC006111, AC006115, AF111169, AC005881, AC003109,	AC016027, AC005088, AC006208, AC007546, AC003681, Y14768, AC007055, AC005839,	AL078639, AL080243, AC010197, AC006013, AP000505, AC006112, AL020993, AC006387,	AC000082, AL031005, AL035683, AL049589, Z98742, AC006241, Y18000, AC005932,	AC007676, AF053356, AL022238, AC007314, AL031680, AL022328, AL034429, AC006101,	AC008372, AC005377, U95742, AC005231, AL121652, AC006480, AL031118, AC002365,	Z83840, AC010170, AC007421, AF042090, AC006454, AL021940, AC009247, AC002119,	AL022336, AC004815, AC007386, AC004531, Z97055, AL022302, AL022322, AP000547,	AC006035, AL035405, AC004042, AC007216, L44140, AL031281, AJ246003, AL049874,	AC007637, AC000120, Z77852, AL035530, Z83826, Z99128, AL096702, AC005305, AL121655,	AC006441, AC002425, AL049843, AL031666, AL049872, AF134726, AC005562, AC007461,	AC000353, AP000503, AL079342, AC004491, AC004797, Z97054, AL022320, AC005046,	AC002553, AF196970, AC006121, AC005754, AC006486, AC004859, AC009069, AC005746,	AL008730, AP000251, AL049697, AC006449, AC007993, Z81369, AC003093, AL021154,	AF207550, AC012331, AL034451, AP000030, AP000134, AC005971, AC006011, AL133246,	AL132985, AC000097, AC007878, AC005261, AL079295, AL031602, Z98949, AC004694,	AC005288, AC006014, AC006547, AC006539, AP000558, AC005104, AC008044, AC004837,	AB018307, AC004883, AC006360, AC003950, AC007406, AL021707, AC007773, AL121658, AD00660, AL025459, AL023307, AC00454, AL034549, AC003010, AT6989, AT 025459, AL035459, AC004511	R94150, and T86024.	1				AI762503, AI076416, AI243035, AI077308, AA700764, AA838319, AA868956, and AA187478.	AL133241, and U80460.		AC004692, and AL031684.	
		,									-										•		,		15 - 426	15:373	15 - 431	15 - 106	15 - 136	15 - 483	15 - 419	15 - 353	15 - 329	15.290
		1			2							•			•							,		-	-412	- 359	- 417	- 92	- 122	- 469	- 405	- 339	-315	926
	<u></u>								•											-					573806 1	625315 1	573970 1	738298 1	953795 1	573747 1	878778	573765 1	573755 1	571351 1
				,	-																				85	98	87	88	. 68	06	16.	92	93	94
		,												•	,					7			•		HBJFJ53	HBJFK55	HBJFL49	HBJFP58	HBJFV07	HBJFV59	HBJFW10	HBJFW19	HBJFW20	HR IFW 50

	_			T	7		-	1			_		_					-			_	-			-	_				,			7
AA283995, AI478915, AA283951, AI817564, AA283760, AA287165, AA286859, AA789104, and AC007068.			AL078584.						AW005281, and AA558937.		R50003, and R50021.	T84928.		AI553853, AW079768, AI683616, AI536991, AI254730, AI356243, AI630887, AI829696,	AI889334, AI344419, AW411027, AI391729, AI926804, AI282481, and AC004031.		AA382068, D54550, H62431, H13929, AW176445, H80318, AW374298, AA418306, D54133,	W01672, AL048935, AW374306, AW374317, W27179, AW176444, AW374310, W28706,	AA234625, AR064426, AB004788, AF079221, AF067396, and AL132665.			AC008282.	M62004, and AL035410.	AA207226, AL121444, AA019182, AA333455, W96231, AA331923, H08904, AA446987, and					AW006288, AA977097, AI368637, AW197236, AI341105, AI650705, AI816278, AI590528, and	R44511.	AL121820.	AA077952, AA482768, R96657, H79151, AW103981, AA169194, AA325699, M78177, AA626678, T69877, AA569387, AA332991, AA323749, AA326441, AA975645, AA357937,	
15 - 273	15 - 186	15 - 394	15 - 319	15 - 241	15 - 464	15 - 249	15 - 451	15 - 343	15 - 339	15 - 565	15 - 368	15 - 736	15 - 488	15 - 582		15 - 489	15 - 294	<u></u>		15 - 391	15 - 433	15 - 490	15 - 328	15-373	15-350	15 - 433	15 - 338	15 - 348	15 - 536		15 - 409	15 - 606	
1 - 259	1 - 172	1 - 380	1 - 305	1 - 227	1 - 450	1 - 235	1 - 437	1 - 329	1 - 325	1 - 551	1 - 354	1 - 722	1 - 474	1 - 568		1 - 475	1 - 280			1 - 377	1 - 419	1 - 476	1 - 314	1 - 359	1-336	1 - 419	1 - 324	1 - 334	1 - 522		1 - 395	1 - 592	
526682	573766	\$71347	573760	529843	574095.	16111/9	526679	507530	799685	260682	899256	219507	864063	920821	,	662725	613781			699075	836184	970826	686278	621723	774183	973257	715512	726570	964943		975186	686717	-
95	96	97	98	96	100	101	102	103	104	105	106	107	108	109		110	111			112	113	114	115	116	117	118	119	120	121		122	123	
HBJFW55	HBJFW68	HBJFW78	HBJFX57	HBJFX81	HBJFY40	HBJFZ21	HBJFZ40	HBJFZ56	HBJFZ82	HBJGR59	HBJGT72	HBJGT92	HBJGU70	HBJGU78		HBJGV17	HBJGV22			HBJGV32	HBJHG04	HBJHG76	HBJHI28	HBJHJ44	HR IHW 50	HBJHIM57	HBJHM76	HBJHN52	HBJH011		нвлно60	HBJHR56	

A4434706, AA491762, AA568331, N29941, AW419262, H92005, AI000800, AA847509, AA973803, W95976, AA650623, AA862181, W95841, N87420, AA523837, AA693370, AA446657, AA630362, R38154, AL120483, AL138455, AI865400, AI184354, AL110444, AL039958, AI799642, N84245, R67504, Z98473, AW152064, AI051230, AA377730, AA780929, AI056964, AW338754, AA563818, AA587604, AI348611, N22424, AA704391, AI270343, N70103, N70020, AF041058, AC005745, AC007666, AF054569, AF042835, AF045999, AC004998, AC004998, U07563, AC004821, AC002073, AC003101, AC004447, AL078475, AF009660, AC005166, AC006538, AC002086, AC005781, AC000854, AC00523, AC005409, AC00553, AC00563, AC00563, AC005635, AC006364, AC0063		H68571, AA641767, and AA223840.	AL117342.			AA773280.		AA524953, AI418334, AI079663, and AI807855.	AA864727.	AC007564, and AL049766.						AI797163, AA761740, and AI278601.	AC002470, and AC007308.
	15 - 335	15 - 362	15 - 650	15 - 505	15 - 387	15 - 692	15 - 338	15 - 429	15 - 447	15 - 428	15 - 541	15 - 538	15 - 413	15 - 489	15 - 438	15 - 500	15 - 344
	1 - 321	1 - 348	1 - 636	1 - 491	1 - 373	1 - 678	1 - 324	1 - 415	1 - 433	1 - 414	1 - 527	1 - 524	1 - 399	1 - 475	1 - 424	1 - 486	1-330
	488736	909188	958970	923733	696856	920881	494812	670642	697594	966701	847865	971136	698405	721859	725097	774812	735365
	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
	HBJHT32	нвлну93	HBJHX08	HBJHZ03	HBJHZ08	HBJIA19	НВЛА92	HBJID21	HBJID81	HBJIL11	нвлг31	HBJIL53	HBJIL75	HBJIL88	HBJI070	HBJIO79	HBJIR58
1537	,			,				·	•	•		•					

	1				т	·												~																		,
AR050541.		AC007488.		AC007319.	N27511.	AI886860, R17495, H96146, AA582791, AA069643, W02625, AA745628, T51436, AA593092,	AI955111, AW169038, AI538214, N32496, AA243974, AA244061, AA629731, AA737235,	AA745653, AI343169, W24944, H39038, AA856904, AA324108, T62233, AA279649, AA188676,	AW410201, AI671077, W03120, AI570237, AA187624, AW404337; AA848002, AI418661,	H81267, AA229422, F23294, T26476, AA523695, AA032001, AW341741, F30158, R32162,	AA179304, AA452325, AA668715, AA215470, AC004644, AC006111, AC005618, Z95331,	AC006146, AC002312, AL021918, AC005089, AC005086, AC002381, AL031295, AC004687,	AC008101, U91322, AC016027, AC005874, AF134471, AC016830, AC005081, AF047825,	AC006449, AC007425, AL049709, AL132777, AC005730, AC002352, AL031311, AC009946,	Z83819, AC003108, AC004970, AC003982, Z98884, AC005969, AC006006, AL121658,	AC005015, AC008079, AC004216, AC005193, AC007546, AC007731, AL139054, AC006241,	AL121825, AC006312, AP000504, AL133485, AC005500, AC004794, AC002544, U95739,	AC003098, AP000103, AP000032, AL133243, AL021155, AF129756, AC004253, AC006581,	AC005921, AL035681, AL022165, AL109758, AC007227, AL021391, AF111169, AC006130,	AC005666, AF196972, AC007537, AL096701, AL050332, AL022334, AL096678, AC006084,	AP000216, Z98751, AC002301, U15422, AL034402, AC006251, AC003037, AL035684,	AL034418, AC005006, AL121653, AF196779, AC006211, AL078593, AC005531, AC005237,	U73634, AC007566, AC002126, AF064861, AC005562, Z83843, AC002565, AC006040,	AC000379, AL021026, AC005018, AL035460, AC005317, AC007376, AC004883, AC005037,	AC004821, AC005971, AF001550, AC002404, AL109865, AC005207, AL031584, AC000035,	AC005332, AC004938, AB020864, AL133163, AP000694, AC003661, AF003626, AC005486,	AP000516, AC004876, AL035086, AL135744, AC005815, AP000514, AC005663, Z98752,	. AL049780, AC007055, AC006441, AC005377, AC008372, AC009510, AL031778, AC005664,	AF111168, AC005907, AL031281, AC005620, AL021707, AF126531, AC020663, AL022302,	Y14768, U91321, AL109967, U91327, AC000025, AC006160, AC004386, AC007052, Z83826,	AC005544, AC007011, AL031673, AC004150, U63630, AC003072, AC007686, AC005048,	AC006132, AP000553, AF195658, AC004542, AC002316, AL022336, AF053356, AP000043,	AP000111, AC004647, U91323, AC005082, AL133448, AL109952, Z97055, Z93017, AP000030,	U07000, AC005768, AC019014, AL049832, AC007774, L78833, AC003119, Z84480, AC002365,	AL121655, AC004223, AC005839, AC000353, U80017, AC005325, AL020997, AC005829,	L/8810, AC005632, AC005821, AL035413, Z69/19, X69908, AC004933, AC002310, AC004983,
15 - 162	15 - 666	15 - 449	15 - 462	15 - 438	15 - 526	15 - 373	•••											,			•	***											,			
1 - 148	1 - 652	1 - 435	1 - 448	1 - 424	1 - 512	1 - 359							•				·	_		ě.							.*	4				•			•	
669519	725084	919379	878974	965016	659920	681342		- 1			1								•										_						•	
141	142	143	144	145	146	147								,	•																					
HBJIY20	HBJTY86	HBJB02	HBJB04	.HBJJB11	HBJB15	HBJJB26						•	•	•																						
										•)					1	53	8		,																-

AL022326, AC008041, AC007283, AC007510, AC005180, AC004895, AC008115, AC005192, AC005378, AC005484, AC004804, AC006974, AC005527, AP000704, AC012398, AC005291,	AC004813, AC005696, AC005070, AC004000, Z69705, and AL031685.	AI205547.				AA076977, and AA076965.	R58828, AP000556, and AP000557.	AL035090.		W93924.	AA566068.			AW449043, AA515418, E15648, E15652, and E15653.	AI343473, AW294828, AI521275, and AI797793.		T55674, N32741, and AL110337.	AA357979, AA357978, AA078137, AA078184, H63953, AI431513, AL036665, AA572974,	AA626840, AA744095, AA774006, AI561043, AW029269, AI928890, H63220, AL037927,	AA744423, AW105463, AA626595, T49133, AW151761, AA484191, D82321, AA513884,	AW019964, F30158, AA317261, T51436, AA745628, AA515351, AA587826, AA573062,	N34689, AA666066, AA053463, AA640252, AA43436, AA808847, AA669747, AI479148,	AA478602, AA657374, AA564582, AI370170, AA599749, AA713705, AA653638, T06576,	AA015948, AI635440, F32213, AA826102, AI860535, AW128881, AI590404, AW419389,	AA741301, N30650, AW379218, AA610433, AA568314, H65308, AA699517, AI362694,	AW151541, AA302978, AW085790, AW272815, AL079734, AI811647, R81176, AA653985,	AW069412, U91320, AL121825, AC006065, AC006538, AL109827, Z98051, Z79997, AL078611,	AC005081, AC005015, AC002457, AC003037, AC007057, AC005534, AC005037, Z99128,	AC002316, AC005696, AC005192, AL035089, AC005772, AC005253, AL024498, AC005562,	[AL008715, AC005184, AF196779, AL122020, U96776, AL096677, AL109847, AC004815,	AC002456, AC005231, Z83820, AC005284, AC004158, AL031594, AL049713, AF207550,	AC003969, AC010200, AL109865, AC003973, AC005214, AL031776, AC007129, AL050318,	AF121781, AC004797, AC006312, Z99716, AF053356, AC002073, AC004531, X64467, AC005031 AP000008 AL049570 AP000704 AC005828 AL031433 AC008115 AF001905
		15 - 533	15-383	15 - 436	15 - 440	15 - 404	15 - 466	15 - 449	15 - 371	15 - 428	15 - 398	15 - 603	15 - 429	15 - 389	15 - 931	15-417	15 - 575	15 - 247						,				,					
		1 - 519	1 - 369	1 - 422	1 - 426	1 - 390	1 - 452	1 - 435	1 - 357	1 - 414	1 - 384	1 - 589	1 - 415	1 - 375	1-917	1 - 403	1 - 561	1 - 233				-					•	٠					
		710873	741615	743096	765406	489438	691780	712982	721473	915977	666221	718894	664298	671611	949592	847854	657242	682250									•						
		148	149	150	151	152 ·	153	154	155	156	157	158	159	160	161	162	163	164	,								•				,		
		HBJB40	HBJJB61	HBJJB62	HBJJB74	HBJB78	HBJJD31	HBJJD90	HBJJH48	HBJJN13	HBJJQ29.	HBJJS46	HBJJU62	.HBJJU81	HBJJX04	,HBJJX11	HBJJX44	'HBJKA75															

				,	AC007363, AC004967, L77036, AL078463, AC004036, AL050348, AL022718, AC007193,
					AC004805, AL133353, AC009509, U77080, U77078, U73330, Z49235, AC004975, AF111170,
					AC009542, AL135744, Z83826, X81637, AL049590, AC005212, Z84482, AC004167, U80017,
•		-			AC004589, AL024474, AL035694, AL031672, AC005921, AC007736, AL049869, AC005014,
					AC002433, AP000142, AL022326, AL049743, AC000379, Z99291, AP000081, AC005800,
					AC006000, AC003085, AC004843, AC002312, AC011331, AC006039, AC005726, Z97030,
					AL008635, AL020997, AC007371, AL035397, AL049872, AP000358, AC006126, AC005808,
				,	AL031284, AC002364, AL132985, AC007421, AL023513, Z68285, AC007191, AL096761,
				-	AL022320, AF124730, AC005532, AL035685, AC005294, AL022577, AL031719, AL031602,
					AC004973, AC004223, L78810, AC002994, AC005105, AC007073, AL109963, AC005625,
	<u>-</u>				AC004816, AC007546, AC006450, AF109907, AF001552, AL021154, AC004585, AC005071,
					AC006441, AC005157, AC007041, AC004491, AC004605, AC018725, AC006276, AC002984,
		-			AD001527, AC002128, AP000252, AL132799, AP000212, AP000134, AP000030, AC005006,
			,		AC005865, AL049631, AC007880, AC004659, Z98941, AC004686, AC004020, AC006213,
					AC005243, AC004887, AC006560, AC007225, AC004692, AL133216, AL049833, D87675,
					AP001054, AL024494, AC005781, AC004901, AC005972, AC004001, AP000694, AL109627,
		_	•		AC004835, AL049709, AL031985, AL034549, AL121652, AL049829, AC009399, AC002301,
,			,		AC005232, AF057280, AL031680, AC009330, AL022336, Z84479, Z98742, AC005728.
		,	,		AL009031, AC004103, AC005220, AL117338, AL035681, AC005531, U96629, AC018633.
					AL022322, AC004168, and X06828.
HBJKC52	165	974123	1 - 494	15 - 508	AI032590, AI568523, AA015921, AA020884, R08692, W01056, AI918922, AL049648,
					AC004805, U91322, AL079304, AL023581, AC005611, AC005243, AC007298, AL031056,
					AC0000004, Z98884, AL049830, AP000246, AP000129, AP000207, AC005579, AC004525, and
					AC013256,
HBJKC56	166	735812	1 - 287	15 - 301	T96742, and H52012,
HBJKC86	167	974121	1 - 514	15 - 528	
HBJKD68	168	676330	1 - 238	15 - 252	
HBJKE63	169	744847	1 - 369	15-383	
HBJKF06	170	935033	1 - 589	15 - 603	AW241714, and AA927828.
HBJKF86	171	714449	1 - 494	15 - 508	
HBJKI26	172	489160	1 - 516	15 - 530	W87882.
HBJLB78	173	588085	1-317	15-331	
HBJLC51	174	784830	1 - 865	15 - 879	AW451973, AI766808, H88067, AA477171, AI376202, AA760752, AA781175, AW173607,
					AA992090, AI654796, AA946869, and H88069.
HBJLD57	175	683265	1 - 460	15 - 474	AA465326, and AL031733.
HBJLD73	176	765356	1 - 408	15 - 422	

Γ	Т	\Box	Т	T-	T																															\neg
					AA483929, AI499588, N57739, AA664548, AA493136, AI524360, AI791913, AI821714,	AA482273, AW023990, T06754, AA455670, AA630672, AA501649, AA961035, AA579179,	AA837087, AA533782, AA487888, AW438542, AA503298, AI821785, AW023149, AI223700,	AW149313, AA588001, AA618452, AI473475, AA662976, AW270343, AI933714, AI431240,	AA858372, AW148507, R31790, AA857370, AW196064, AA339692, AA580808, AA864261,	AA502991, AW238605, AA370455, AI580250, AA507282, AI648410, AI587224, AA483771,	AW270709, AA595499, AA516233, AA828062, AA501852, AA719073, AI470646, AA846935,	AA297666, AI859438, N23504, AI683446, AA436774, AL138096, AA002063, AA635368,	AL042927, AI874308, AA654661, AA610688, AA436782, R23521, AA515905, AA502440,	AI696595, AA071334, AA621381, AI921043, AA468505, AW341978, AI792133, AA230213,	AA643770, AA651632, AL036037, AI354388, AI754544, AA707782, AA707705, AI341571,	AA833896, AA282820, AA833875, AI733856, AA780944, AA503119, AI754567, AA483223,	H25921, AI755214, R23441, AI691091, AA493975, AA368573, AI056177, AA522642,	AL038971, AA513893, AA653375, AL044586, AA687535, R73754, H29019, AA634837,	AL047429, AA209423, AI587565, AI587583, AW302080, AI253007, AW081194, AW302087,	AI434695, AA077019, AC004257, AC005696, AC016830, AC005060, AC006313, AC005071,	AC003070, AF111168, AL049779, AL031447, AF047825, AC004659, AC006120, AC004148,	AL133246, AC016027, AC007191, AC005002, AC005527, AP000556, AP000252, AC003029,	AP000552, Z82180, AC003690, AC005226, AC004832, AC004883, AC005581, AC005387,	AC004999, AL121653, AC004884, AC006312, AC005519, AC007842, AC005003, AL033518,	AP000557, AL096701, U82828, AL049653, AP000703, AL121595, AC006251, AP000116,	AP000049, AC007277, AC004638, AC005914, AL035422, AL050318, AC005880, AP000121,	AP000053, AC005939, U47924, AL110502, Z97054, AC006112, AC005317, AL135744,	AP000311, AC003663, AL049761, AC004953, AC004019, AC002116, AC005694, AC006487,	AC005512, Z95115, AL021807, AL049745, AC007011, AC002301, AC005231, AC002375,	AC006978, AP000066, AP000558, AC012384, AL109984, AC005197, Z75746, AF001549,	AL031228, AC004814, AC006285, U82668, AP000513, AC005529, AL021940, AC005971,	AC002310, AC006208, AP000244, AF111169, AC005899, AC005280, AC005049, AC006441,	AC002531, AL049776, AC020663, AC007172, AL022165, AC004675, AC005031, AP000251,	U91326, AC004149, AC003024, AF165926, AC006530, AJ003147, Z85999, AL023553, L77570,	AL049589, AC009247, AC005305, AC005790, AL109798, AC007193, AC005730, Z84483, AC03461, AC003401, AC004001, Z84468, AC004706, AC004460, AC004061, AC004061, AC004061	AL034431, AC002492, AC004963, 284460, AC004/06, AC00/430, AP000333, AC003181,
15 - 488	15 - 240	15 - 287	15 - 305	15 - 343	15 - 354						<u>.</u>	•															-									
1 - 474	1 - 226	1 - 273	1 - 291	1 - 329	1 - 340											•						_		_			,								•	
735748	864013	952791	656721	665874	847840																	•														
177	178	179	180	181	182	,											٠													*						
HBJLE82	HBJLF58	HBJLL07	HBJLL13	HBJLL18	HBJLL28			•											•• .														,			

					_										_		•
AF088219, AC006581, AC002543, AP000065, AC007546, Z93942, AC005856, Z85996, AL080317, AP000689, AC005409, U89335, AL031673, AP000030, AJ133269, AC004812, L44140, AC000159, Z98036, AB023052, AF196969, AJ010770, AC002470, Z83844, AC004686, Z82214, AC000134, AC003982, AL078477, AC009516, AL035420, AP000692, AC016831, AC005399, AC006399, L78810, AC005331, AC007358, AC005089, AC005800, AC004655, AL049699, AL033543, AC006137, AC002041, AC000025, AL049757, AC004383, AC007387, U91323, AC007227, AP000512, AC007262, Z98884, AL133448, AL049759, AC007114, AL033522, AF043945, AC006211, AC007656, AC004955, AC004263, AF129756, AL022721, AC008040, AC003043, AC008132, AL023233, AC005520, AC005480, Z98051, AL049760, AL133163, AC0044815, AL022316, AC005337, Z83846, AL023807, U80017, AC002472, AL133163, AC0064815, AC006453, U91325, AC005355, AC005940, AC000353, AC005066, AC006040, AC016026, AC002996, AC0078848, AC006234, AC005099, AL133163, AC007686, AC006040, AC016026, AC002395, AC004848, AC005234, AC006009, AC016026, AC002395, AC004848, AC005234, AC002070, and AL139054.				AA075481, AA075480, AA075067, AI791780, AA127140, J04716, L39879, L01122, M73706, S89400, K01930, J02741, U75408, W38303, AA076112, and AA076111.	AW239537, AA232075, W78769, AW020962, AA448818, AA128583, and AJ010842.	AI797543, AA121152, AW189950, AA281969, A1082147, A1034184, A1871347, AA815173,	AW418/13, AA2/9808, AI468532, AI290248, AA438860, AA2/1296, AA5/3302, AA702437, AA278877, AA227295, AI458479, AI802340, T07432, Z39708, AI985569, T85327, AA659414,		18/986, and AA8142/3.			AW206211, AF150250, C14388, AC002045, AC009509, AC006241, U52111, AC002554,	AC004491, AF047825, AC005086, U95739, AF111168, AC007285, U80017, Z82190, AL031602,	AL121655, 29/054, AC004853, AC0058/4, AF1544/1, AC00/953, 28598/, AC005104, AC000134, AC007919, AC004692, AC008115, AC005363, AC005822, AC005300, Z94801,	AC002128, AC003029, AL034429, AC005088, AC005914, U96629, AC005534, and M18157.		AA126910, AP000360, AC000053, AC002060, and AC005002.
,	15 - 336	15 - 346	15 - 355	15 - 896	15 - 368	15 - 388		3,7	15 - 660	15 - 193	15 - 545	15 - 481				15 - 440	15 - 393
, · · · · · · · · · · · · · · · · · · ·	1 - 322	1 - 332	1 - 341	1 - 882	1 - 354	1 - 374			I - 646	1-1/9	1 - 531	1 - 467				1 - 426	1 - 379
	734522	752810	657747	843811	779004	823400		200000	60100	725095	760155	975088				792110	675692
	183	184	185	186	187	188			681	190	101	193				194	195
	HBILL57	HBJLL68	HBJLP14	HBJLR56	HBJLR82	HBJLV29		CO 13 EL CAST	HBJMA30	HBJMA51	HRIMM71	HBJMD74	,			HBJME92	HBJMF23
		1	54	12											-		

			AW182540, AA610084, AI936489, AA306791, AW340569, AA905749, and AB033050.	AW004683, H87822, H87851, and AW015156.	AC004254.	AL031657.	AI241023, AW401921, and AB023483.	AC002368.	H55415, W22115, AL096701, and AB011114.		AA601336, AA640305, AW341878, AI567676, H79323, AA593168, AW020612, AA167656,	AW085626, AA729004, N27362, F35374, N49298, AA179364, W45416, AI520984, T89141,	R99617, AI253347, AI918661, AI061158, AI281622, AA947352, AA228268, AA664963, W27084,	AA761454, F01694, T57636, AA299490, AI744890, N63562, AI640905, AI919048, H81012,	AI569452, AA828840, AI828721, AA496042, AW028376, AI343808, AA776663, AA428991,	AI363336, AI149177, AL049743, AF165926, Z83840, AL109984, AL031311, AC005412,	AC004821, AC007686, AC007546, AC007207, U85195, AC005377, AC007421, AC008115,	U95742, AE000658, AC004832, AL035587, L78833, AC007216, AL020997, AL031589,	AC004797, AC005520, AL035420, AF196779, AF139813, Z98200, AL033392, AC003025,	AL035086, AL080243, AL121655, AC006530, AC005355, AC002312, AJ246003, AC004228,	AC004895, AC005180, AL096791, AC006312, AP000512, AC005519, AC006285, AC005081,	AL049869, Z82190, AC005839, AC005015, AL049694, AC004816, AC006071, AC005726,	AC002120, AL031293, AC005089, AC006121, AL021453, AC005527, AC005696, AC006139,	AL135744, AL133163, AF217403, Z97630, AC005971, AL035422, U78027, AC004878,	AC004975, Z82176, AF023268, AC000025, AL121603, AL008582, AL049757, AF001549,	AC005399, AC005914, AC007387, AC005207, AC000048, AF207550, AC005821, AC002094,	AP000248, AC005876, AC002117, AC005231, AC005288, AL034429, AC006130, AF111167,	AP000704, AL133448, AL096701, AC007386, AF111168, AC005529, AL031280, Z98884,	Z73979, AF134726, AC004099, AC006581, AF051976, AC006160, AC006077, Z93020,	AC004212, AL008734, AL031655, AC007993, AC005695, AP000555, AC004913, AC007308,	AF109907, Z97056, AC005277, AL020995, AC003041, Y18000, AL117329, AC007263,	AL034421, AP000503, AP000008, AC004967, AP000514, AC004834, AC002558, AL034420,	U52112, AC005632, AL022333, AC005755, AL049780, AL031123, AC007055, AL133246,	AC005911, AC005049, AC003109, AD000092, AC004897, AC007226, AC005183, AC005829,	AL023807, AL122020, AL109952, AD000864, and AC005993.	
15 - 580	15 - 388	15 - 439	15 - 457	15 - 452	15 - 479	15 - 676	15 - 422	15 - 462	15 - 527	15 - 507	15-615		′					٠											•							15 - 254
1 - 566	1 - 374	1 - 425	1 - 443	1 - 438	1 - 465	1 - 662	1 - 408	1 - 448	1 - 513	1 - 493	1 - 601			,																		1+				1 - 240
621179	720050	720047	935952	794129	614911	864004	760833	090669	576429	964484	740142														•											726480
196	197	198	199	200	201	202	203	204	205	206	207							, .	,											:						208
HBJMF30	HBJMF47	HBJMI76	HBJMK34	HBJMK94	HBJML28	HBJMI 69	HBJMM72	HBJMN75	HBJMQ86	.HBJMR15	HBJMR60					•		-					•				4.									HBJMT52

	ι	AI810024, AW023610, and AA609969.		AW166629, AA601349, AA052895, N66744, AI732437, AI114704, T86740, AA491447, T98482, AA918759, AA663115, AA663086, AA291630, H72049, AW084938, R11040, AI926873, AW440498, T87973, AA846969, H93001, N63743, AA603883, AW028174, AA8338162, AA507035, AA706845, AA837385, AA291700, AA297496, H73336, AA352365, AC004961, AL133382, AL034411, Z73420, AC002352, AC004887, AC003108, AC004645, U91326, AC006111, AC005509, AC004081, AL008712, AC016831, AL031276, AL033392, AC005531, AC007298, AL080286, AC004950, AL031985, AC004987, AC004448, AP000365, AL021939, AP000295, AP000044, AP000112, AP000152, AC004203, AC007663, AC006549, AF001549, AC00295, AP000044, AP000112, AP000152, AC004203, AC007663, AC006549, AP001549, AC005516, AC004466, AC002312, AC002390, Z92547, AC005746, AL050312, AL034408, AF020662, AC000078, AL109798, Z95331, AC002400, AC006441, AL050312, AL034408, AF147316, AC005081, AC004876, AC004876, AC004876, AC002365, AF147316, AC005081, AC004876, AC016027, M98447, U82671, AL099179, and AP000553.				AA985391, AI053911, AA548890, AW403888, AL037632, AA081462, AI470646, AA834809, AA588001, AA833896, AA833875, AI580250, AA912287, AA483771, AA380354, H59372, AW274349, AW303196, AA580808, AW196064, H61630, AW301350, AL138096, AA515457, AI791913, AI792133, N54894, AI821714, AA679154, AI282511, AA483218, F25733, AI270096, AL119713, AL120687, AI283312, AA679154, AI282511, AA483218, F25733, AI270096, AL119713, AL120687, AI283312, AA683258, AA507822, AA457642, AA491862, AA838190, AA491650, AW270270, H70994, AI821785, AW440545, H69109, AC007226, AF003528, AC005815, AL008715, AC005036, AC008055, Z98941, AL096772, AC0023172, AC005144, AC006013, AC007435, AP000201, AP000201, AP000093, AC007488, AP000088, AC005722, AF146191, Z83846, AC007842, AL009050, AC007671, AC005249, Y12853, AC007298, AL023807, AC004216, AC008372, AC005284, AC004741, AL121595, AC007066, AP000961, AL035089, AL079342, AL024495, AC005284, AC007681, AL121595, AC002499, AL021978, AC005874, AF134471, AC005146, U91323, U82668, AC007561, AL049744, AC010200, AC007262, AL033379, AC004948, AL082099, AC002691, AL049744, AC010200,
15 - 483	15 - 657	15 - 352	15 - 367	15 - 361	15 - 396	15 - 530	15 - 355	15 - 781
1 - 469	1 - 643	1 - 338	1 - 353	1 - 347	1 - 382	1-516	1 - 341	1 - 767
952862	060699	614930	933143	690404	703843	809996	786707	576434
209	210	211	212	213	214	215	216	217
HBJMV72	HBJMW20	HBJMX04	HBJMX21	HBJMX29	HBJMX34	HBJNC11	HBJNC89	HBJND59

														T	П		<u>.</u>						٦
AC006965, AL033527, AL008629, AC007363, Z98742, AC0060450, AC007182, AL020995, AC003009, AC006210, AF045450, Z84483, AC008122, AC006080, AC004638, AC002492, AL080285, AL022336, AL049779, AF165175, AC007395, AL020989, AC002543, AC004805, AL021939, AC006322, AC005682, AC008072, AC005066, AC009721, AC003086, AC006379, AC005243, AL021391, AC004061, Z97205, AC008124, AC005035, AF064860, AL031666, AP000108, AC007270, AL022144, AP000086, AL031681, AC005082, AC002449, AL133241, AL033525, AB020869, AC004905, AP000958, AP000161, AL031735, AC002449, AL133241, AP000150, AF053356, AL049875, AC010169, AC005410, AC004108, AF015262, U82696, AL031012, AL035416, AL117329, AL096792, AL022323, AP000009, AC005871, AI229043, AC002463, AL121877, AC005482, and AC006390.	AB014526,		AC004702. H69543 H80124 W88965 W88544 R02124 and AP000497	AW205507, and AI300640.	AC005905.					AA127005, H06566, AA125853, R56714, and AF191018.		R11468, AL009031, and AC002326.	AA604872, AA026240, AA704592, AA258677, AC004087, and AC002385.	+ monorous 1 1 00000001 1 000000001 1	AC018633, and AC0052/1,	AA/4/365, AW20/289, AI24949/, AW3663/2, AI336633, AI434253, AI432653, AW1498/6, A1336634 A1674654 A147255 A1040713 TOOD63 D28164 A1638038 A1780547 A1244035	AI267185, F28295, AI114703, AI811603, AA749184, AL048323, AW059828, F35428, AL048340,	AI473208, AI479292, AI360195, AW022102, AI890507, AI285514, AA493923, AI383804,	AI801325, AW020419, AI690813, AI687568, AA595932, H89138, AW188698, AI699020,	AI687587, AI289791, AI521005, AI784233, AI918554, AI345005, AW020095, AW169643,	AL243/43, ALZZ2000, AL440zo3, AL0984Z7, AA339199, AI408939, AL3103/3, AL101Z79, AI799351, AI8724Z3, AI334893, AA481494, AI340533, AA761917, AI669640, AI120831.	AI284509, AL047398, AI689404, AW169628, AL040207, AI345736, AI273919, AA587590,	ידיויין, מויידים, מוניסטטים, מניסטטים, מויידים, מויידים, מויידים, מויידים, מויידים, מויידים, מויידים, מויידים,
	15-312	15 - 428	15 - 362	15 - 646	15 - 339	15 - 355	15 - 303	15-213	15 - 421	15 - 376	15 - 467	15 - 475	15 - 547	15 - 369	15 - 503	15-193		٠					
	1 - 298	1 - 414	1 - 348	1 - 632	1 - 325	1 - 341	1 - 289	1 - 199	1 - 407	1 - 362	1 - 453	1 - 461	1 - 533	1-355	1 - 349	I - 1/9							
	578887	573103	921417	760737	278869	971172	732250	753141	935819	775670	496513	702457	689705	967111	863938	0//240					. •		
-	218	219	220	222	223	224	225	226	227	228	229	230	231	232	233	757			· . -	,			
±	HBMBC18	HBMBC25	HBMBC35 HBMBC91	HBMBE72	HBMBE84	HBMBH36	HBMBH55	HBMBH91	· HBMBI06	HBMBN32	HBMB020	HBMBQ33	HBMBQ83	HBMBS11	HBMB185	HBMB024		`		•		-	

AI345397, AI627714, AA207067, AI955945, R65859, AI560227, AI335235, AW021373.	AI699056, AI285419, AI273856, N99092, AL047422, AI434731, AA127565, AI336631,	AW072719, AA642348, AW190242, AI539690, AW079768, AW268302, AW235501, AA768478,	AI583982, AI337186, AW302954, AW104141, AI348854, AI002285, AI050666, AI307494,	W274355, AI250646, AW088899, AA176980, AI336582, AW167229, AI251221, AI349957,	AW131952, AA653459, AI285439, AW161579, AI885949, AI582871, AI581033, AI224463,	AL048644, AW274192, AI500706, N27632, AI254727, AI500662, AI471429, AW301505,	W48671, AI340511, AI624304, AA857847, AI679959, AI633061, AW022494, AI348870,	AI571699, AI699154, AW020288, AI702527, AA420722, AI349814, AI349186, AI336575,	AW020710, AW023859, AI609375, AI349772, AL038463, AW020397, AI334895, N63128,	AA579232, AA635382, AW082835, AI815232, AI335476, AI343030, N33175, AI471909,	AI491904, AI284517, AW268964, AI379711, AI218156, AW243232, AI804505, AI866581,	AW075382, AI859644, AA629977, R32821, AW020826, AA062896, AI927233, AI348895,	AI656270, AW068845, AI698391, AI336495, AI349276, AI538564, AI784214, AI612885,	AI345639, AI553645, AW191003, AW089122, AI915291, AI371251, AW152182, AI538850,	AI859991, AI537273, AW148303, AI582932, AA514684, AW020373, AI590043, W38903,	AI586931, AI524179, W46378, AI446775, AI690946, AW088560, AW301344, AI521560,	AI889189, AW264727, AL036146, AW161202, AW172723, AI309306, AI473536, AI866461,	AL045626, AW151979, AI866469, AI865116, AI553669, AI252077, AI348897, AI250627,	AW274318, AI500714, C16221, AI950892, AI633125, AL048499, N22276, AL047344,	AL137562, AL137712, AR068466, E12579, AL117440, S77771, AR038854, AL133093,	AF043642, A08913, L04504, U89295, A08912, X06146, E12580, AL133606, A08910, E01573,	E02319, A18777, A08909, AL049324, X99257, X57084, U80742, S76508, AL137276, A08908,	S36676, AL122123, AL080074, A08907, L40363, AF090886, S69407, AL049452, AL110196,	U90884, AL133081, AL137273, X93495, AL117432, AL110280, AC006197, AR050959, I89931,	133391, AL110197, AL049460, AB030279, I89934, X00861, I49625, AF026124, AF058921,	AF150103, AR064250, AB019565, AJ131955, AL133636, AL050280, AB025103, AF079763,	E00984, 104527, X62773, AF008439, 189947, A65965, L13297, Y11587, A65943, AL050155,	E03671, AF200416, AF017790, I30339, I30334, I48978, AL096720, AF090896, AL133565,	AF114168, AL008706, E08516, E02152, X63410, S75997, AL137429, AF100781, A90848,	X62580, U67328, AR029490, I46765, AC006313, AB007812, U96683, X86693, AL080147,	AF016271, E01614, E13364, U91329, AL137292, AJ012755, U72620, I89944, AF026816,	AF169154, X82434, X79812, A65341, 142402, AF031147, M86826, AF106697, AL080158,	E01314, AL122100, 166342, S83440, U62966, AL133113, AL133010, AF137367, AL137555,	U75370, AF047443, AF032666, X72889, AL137550, AF001552, L24896, AF115410, U75932,	AF091084, AL133104, AF175903, AL117644, AR054987, Y11254, AF141289, AL137538,	AL133337, AL133010, AF030208, U3/332, AL080132, AL080131, Y 10080, AL13/348,
		•																							-	1										
			•		ż			*			0				,											•										
								_				<u> </u>													<u> </u>								*			
																																				1
																					•													,		

	·				AF079765, X53587, AC002471, AC005374, X57961, I41145, AL136884, AF207750, AF100931, AF118094, AL049283, A65336, AF132676, AF061836, AR012379, AL117460, AL117585, IK8933, I00460, AE132676, AE132677, IMAGEST INDA
				,	E02221, AF182215, AL137479, 168732, U88966, E15582, AF161699, AR034830, 196214, I18355,
,				·-	AF200464, A94751, AL137574, AF090903, I34392, I26207, AF085809, Z48796, AB029066, AF124435, X83508, D83032, X59414, AC006039, AL137537, AL137539, AF111112, A08916.
					AL133054, AF022813, AF118064, AL137478, AL137530, AF111851, AL122111, X63162,
		·			X89102, X52128, E15324, AF090900, AF061795, AF151685, AF158248, S68736, AL137658,
	· · · · · · · · · · · · · · · · · · ·				AL133568, AF185576, AL122093, AF061573, AR068753, A90832, AF201468, AF113013, A57389, AF017437, L19437, A86558, and AL137286.
HBMBU38	235	531494	1-311	15 - 325	AL031259.
HBMBX69	236	698362	1-319	15 - 333	AC004883.
HBMBY27	237	574803	1 - 407	15 - 421	
HBMBZ71	238	880280	1 - 1275	15 - 1289	A1075978, AW298093, AI201251, AW293546, AI917770, AA906330, W63599, AW086186,
HRMCA44	230	716647	1 - 504	15_518	4 4 603506 4 4 411644 W21369 4 4 42200 A 4 016012 H16669 and A W2551706
HBMCA58	240	736084	1 - 287	15-301	A1380599.
HBMCA94	241	793174	1 - 444	15 - 458	AL078644.
HBMCD26	242	847826	1 - 275	15 - 289	
HBMCD49	243	723005	1 - 344	15 - 358	Z83853, AC006318, AC004137, and AC006262.
HBMCE22	244	674659	1 - 439	15 - 453	W31342, and AI699098.
HBMCH75	245	932037	1 - 562	15 - 576	
HBMCH88	246	711318	1 - 387	15 - 401	
HBMCK57	247	495736	1 - 493	15 - 507	AI859108, AI565562, AI366188, AA703350, AA983821, H59553, T98748, W26825, and AA630729.
HBMCQ14	248	658484	1 - 253	15 - 267	AF083106.
HBMCS34	249	703438	1 - 675	15 - 689	R25159, AW294139, and AI474654.
HBMCS77	250	465070	1 - 486	15 - 500	R00604.
HBMCT67	251	751643	1-312	15 - 326	AL031123.
HBMCU92	252	529580	1 - 514	15 - 528	
. HBMCZ11	253	660/96	1 - 303	15-317	
HBMCZ27	254	683436	1 - 331	15 - 345	U73636.
HBMCZ32	, 255	855694	1 - 369	15 - 383	AA610530, AL120543, AW192373, AA564682, AA470958, AC007204, AC005899, AL031291,
					AC002040, AL049830, AC005971, AC004783, AC006213, Z97832, AL049776, AF047825, AC002492, AF196971, AL035588, AC002470, AC007401, and AL078634.
HBMDA51	256	691116	1 - 434	15 - 448	
	•				

_	_										_																								
				AA027081, AI525653, AI525669, AI557238, AI557808, AI557602, AI547225, AI557426,	AI541321, AW020592, AW022727, AW021178, AI541056, AW022874, AI541048, AW020406, AW010088, AW001777, AW02036, AW02030, AI55733, AI555803, AW0030405, AW0020406,	AW012266, AW021111, AW0220, AW02239, ALCO1226, ALCO2002, AW020420, AW022306,	AWU20326, AI6602006, AWU20034, AWU23331, AWU21693, AI33/238, AWU20931, AWU22981,	AW021182, AW020480, AW021460, AW022593, AW020629, AW023884, AI52585/,	AA677098. and AC004814.		F34605, AL046519, AI340151, N69399, AI246061, AA229159, F00350, AI302350, H64549,	F24745, R68706, H16875, AW071109, AI204309, AA523719, AA778580, AA456149, M85827,	AI280566, M78026, Z30049, W45215, AA648957, H68343, AC012384, AC002480, AC005531,	AL008710, AL035079, AL031729, AL049631, AC004025, AC004983, AL022320, U80017,	AC007488, AC004477, AL121769, AL022397, AP000300, AC002994, AL049832, AC002350,	AC007172, AC007066, AC006449, AP000113, AP000045, AC007014, AC004466, AC003681,	AC006557, AC004791, AL031054, AC007880, AF109907, Z98884, AC005529, AC004797,	AC002310, Z99943, AE000658, AC006101, AP000346, AL049712, AC003046, U15177,	AC004874, AC005516, AL022316, AC002990, Z83822, AP000354, AC007040, AC005527,	U91323, AC005191, Z82194, AL135745, AF001550, AC004656, AL031668, AC005829, Z95114,	AL021707, AL121653, AC004448, AL121852, AL021578, AC004890, AC005184, AC005486,	AC006141, AL008718, AC007228, AC004584, AC000003, AC003108, AC007919, AF196971,	AP000501, AL096711, AC004816, U96629, AC006120, AF207550, AL031655, AC004263,	AC005846, AC002367, AC006576, AL034429, AJ003147, AC007955, AC002369, AL049709,	Z86090, AL034420, AC018633, AL121748, AC000159, AL035420, AC006509, AC004953,	AC002528, AC004878, AC005015, AC005280, U89337, AC005049, AC002303, AC006137,	AC005099, AL008635, AC007546, AC005696, AC004858, U89335, AL035681, AC003029,	AF024533, AL031255, AC005664, AC005207, AL109984, AL035587, AC005865, AL022326,	AC005844, AC007182, AC005753, AC000097, AL008725, AL031848, AC006547, AC002470,	U91325, AC000379, AB015355, AC005164, U91318, AL035652, AC005332, AC002091,	AL049869, AC006468, AC005007, U95742, AC002565, AC006538, AC007707, AC005158,	AC005800, AL031733, AC003075, AC005037, Z85986, AC005859, AC007216, AL031643,	AC004223, Z84487, AB003151, AP000688, AL034423, AL022722, AC005736, AL031591,	AC003982, AF069291, AL034553, AC002312, Z82190, Y10196, AC004098, AC004967, AD000313, AC003950, AL035340, Z05704, AC005107, AC000543, AC005484, 224, AD035523	רוביטיטיבין, מבטיטים, מביטיטיבין, מבטיטיבין, מבטיטיבין, מבטיטיבין, מבטיטיבין, מווע מבטיטיבין, מבטיטיבין, מווע מבטיטיבין, מבטיטיבין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטיביין, מווע מבטיטי
15-419	15 - 412	15 - 149	15 - 293	15 - 347			74	• .	15 - 353	15 - 407	15 - 802													•							ė				
1 - 405	1 - 398	1 - 135	1 - 279	1 - 333					1 - 339	1-393	1 - 788		•																						
924183	888206	750274	861576	739316				•	657382	952830	805554																-					••••			
257	258	259	260	261					262	263	264														-							*			
HBMDC03	HBMDC16	HBMDC88	HBMDD36	HBMDD59		. ,			HBMDE19	HBMDF55	HBMDH79																								T

	_	_																								_	_				_					
	AC005971.	AW303196, AW274349, AW301350, AI754955, AA649722, AA634145, AA768097, AA937687,	AA\$10370, AA719080, AA573020, AA644207, AA709005, AA504638, AA558060, AA487858,	AA568778, AA649705, AA579736, AA554319, AA858197, AA461233, AA513972, AA501578,	AA814522, N29933, AA132914, AA483731, AA480790, AA824655, AA824654, AA582911,	AA077817, AA437161, AI830390, AA523815, AA350859, T15897, AA650450, AA602528,	AA670468, AA861959, R97934, AA845813, AI434706, AI962050, AI284640, R38154,	AA610493, AW440976, H50727, AI251002, AW236342, T07451, AA167659, AA525824,	AA577906, T71030, AA229785, AA522942, AA603156, R97326, T06828, AA678499, AA743978.	AA504871, AA578481, AA492140, AA623002, AA970213, AI625244, M77899, T05101, R89294,	AA199616, AA490183, AW193265, AI282832, F18974, AA259245, AW276435, AI270117,	AA826303, AI688846, AA605032, AA649642, AI824562, AA745104, T41124, AA113861,	AA720548, AA729721, AA634146, AA525876, AA326589, AA569167, AI205126, AI278997,	AA552885, H64778, AA346575, AA610611, T08438, AA325817, AI339850, AA075995,	AW029038, AA558015, AA947360, AA804379, AI929531, AA664015, AA837677, AA632837,	AA515435, AA550758, AA973803, AA483068, H63607, AA774184, F32800, AA703887,	AA719805, AI434695, T06556, AW088058, AI537955, AA177061, AA020850, N66428,	AA594145, AI469172, F19012, F36273, AA401022, AI216799, AA886584, AW438643,	AA578391, AI281697, N33611, AA252263, AA837084, AA446657, AA947811, AA2333519,	AA780797, AA847128, AA771811, AA491762, AI291124, AA378580, AA586562, AI471481,	AW166815, AA890235, AA713815, AA745410, AW162049, AA515051, AA665021, AW419118,	AA323749, AI291268, AW276827, AI014358, AA503473, AA610783, AW021747, AA449088,	AI537030, AA599920, AA605274, H10994, AL046409, AW440836, AA743960, AA368936,	AI341548, AI679782, AA813902, W16581, AI904894, AA678443, H64563, AI564185,	AA601499, AA485291, AA598586, AW193432, AA779040, AA346454, AA775940, AL044940,	AI917271, AA557879, AI281881, AI469003, AI287651, AA385100, AA557686, AI801591,	AI446464, AI286264, AW302450, AF150152, AA325699, AA441788, T40077, AI918421,	T41155, AA225155; T67750, AA678772, AA827295, N63352, AI431303, AI049722, AI133636,	AI567674, N25296, AA501722, AI002834, AA558697, AA747480, AI053672, AI674873,	AA644551, AA551503, W47183, F03097, AI350211, AI890923, AA468131, AA352803, R97969,	AA552945, AA569387, AW338500, AL046457, AA513293, AI375710, AA458736, AI287528,	AA587604, AP000130, AP000208, AP000247, AP001046, AL096701, AP000302, AP000114,	AP000046, U13056, U07000, Z83822, U14694, Y12508, U14719, AC004606, AF060568, M27161,	AC005994, Z82208, AF003528, U89335, AL049869, AC006210, U14718, AL031447, AL035420,	AP000307, M87916, L43392, AC006241, AC002984, U14687, Z82975, AL049843, AC004024,	AC0039/1, AC00/043, AL049//6, AC00/656, U4/924, AP000047, U6/274, AC005251,
15 - 339	15 - 202	15 - 362	•																		÷	•														-
1 - 325	1 - 188	1 - 348								_	_		,		-		-		-						•		ų.					•				
967046	721673	970684	-							-											•							•			- 1,0					-
265	266	197									_																		_			,		:	,	
HBMD111	HBMDJ36	HBMDK12																							-		•			,	•					

11000 1 120000 1 1272000 1 012000 1 1210000 1 130100	AC004933, AF000431, AC002342, AC007871, AF000334, AC004417, AC0044916, AC004836, AP000115, AC000353, AL049745, D83989, AC020663, U20770, I51997, AL022328, AL078476,	X75335, M89651, S75337, U14695, U14705, Z93241, U14717, AF147277, S70694, S70692, AC012599, U14685, U14686, U14689, U14691, U14699, U14702, U14707, U14710, AC009509	AC006111, AP001051, AC006128, AJ006996, X58156, AC005200, AC00041, AC003962,	AC0085452, AL035407, AL036712, AL035425, AC005488, AC004955, AC004019, AL034429, AC008545, AL020996, AC006305, Z82211, AL049569, AC010205, AC007695, AL022238.	96710, AC004768, AC004921, AL031597, AC005164, U73633	AC005778, AC004859, AC006315, AC005548, AL021453, AC004206, AP000297, AL049830,	AL109967, AC006466, AL035695, AC008101, AC008125, AC006441, AL033379, AC004542,	Z84814, AC007387, U57009, U18399, U14714, X54180, U18391, U18392, U57006, U18394,	X55925, U18393, U57005, AC004385, X54179, X55928, AL035417, AL1117354, D42052, U89336,	ACUOS915, ALU08629, AF000311, U91319, U18390, X55932, AF126403, U14/03, AL034423, S70607 A CO04671 A CO07050 A I 072404 S70680 A CO07067 A CO070671 A CO070650 A I 072404 S70680 A CO07067 A I 114680 A I 114680 A CO070670	AP000548, AC006013, AC005043, AL023484, 37,0089, AC002077, U14086, U14092, AC003232, AP000548, AC006013, AC005043, AI 023882, AI 02318, I 102048, I 102054, I 102064, AC002072	AC007666, AC006511, AC006265, AF067844, AC004990, AC005242, AC004998, AL022721,	U32576, AC004553, AC006126, AP000306, AF094481, AC005331, AC005175, AF129077,	U67829, AC013248, AL008709, AC004227, AL031391, Z98046, AF130247, AF121781, Z98743,	AC002564, AL031286, AC005102, AC004987, AC006476, Z86061, AC002379, AC004222,	AL109622, AJ006998, AL034402, AF165138, AC0046/5, AC004806, U80017, Z95115, AC004031, AB165147, AC006154, AC010732, AL03584, AC006031, AC006031, AC006060	AC007538, AF088219, AC005815, AL022726, AC006057, AC006043, AC007207, AC007073.	AF001549, AF027390, U66059, AC004526, Y10196, AP000961, AL031054, AC004458,	AF077058, AL035450, AC002310, AF029061, AJ246003, AC006251, AC002996, AL050305,	AL022157, and AL023804.	T85668.	AI142427, AF073792, U51134, and I81226.	AI205126, T55510, AI003172, T53606, F19258, AW104748, AI474713, U51696, W60516,	F29989, AA557325, AI608626, H71429, AW080134, AI365988, AA340960, AI962050,	AA814017, AI251002, AW339687, AA515051, AI929531, AW166815, AI635272, AA169801,	AAZ29/85, AW162049, AW440836, Al339850, Al890923, Al567674, Al625244, Al049722,	AW029038, AI904894, AI91/2/1, AI133636, AL119391, AA/13815, AI469003, AA826303, A A 904918 AT190674 A W338500 A A 115068 A A 584751 A W131034 T90180 A T 032785	AA079706, T12272, AI922840, AL040913, AI368745, AA340003, AA551509, AA228329,	AL041368, AL138265, AA653057, AA148489, AW023672, AA886584, T90706, R55847,	AA644207, C06458, AA482711, AA483068, AA669251, R95171, AI679782, AI003743, AA501344, AA327782, AI433187, AA099892, AI802526, AA113186, AA365587, AC004491.
	<u>.</u>	XX	¥.	A	A	A	- A	<u>Z</u>	×	A S	à A	A	. U	<u>n</u>	- A	4 -	¥	A	- A			- 535	15 - 406 AJ	FZ	A.	· A	A A	A	F	<u> </u>
							<u></u> -					•	-			•	 -		·			1 - 521	1 - 392		-					
				•		· · · · · ·														-	657221	796050	746572							
																					268	269	270						•	
																					HBMDK13	HBMDS17	HBMDS64	4						

	15160, J14718,	U14691,	53, AL109733,), AC004632,), AL031904,	AF015169, AC005772, U12583, AC006285, AL049557, AC005971, Z74696, U14707, AC006441,	AP000696,	I, Z98743,	5, AC006001,	AL137614,	, AC007387,	vC004228,	C004859,	06030,	2, AC009731,	, AC007077,	128/.							AI791227,	4I002863,	5, AI816073,	1, AL050308,	B023049,	85987,	L021394,	, AC005102,	, Z83843,	I, AC004386,	00275, C005099	0000
	AC004149, AC00/684, AC004540, Z86061, AF0151/1, S/5337, AC004770, AF015160, AL031584, AC005778, AL009181, AC006312, AC006502, AL132712, A39972, U14718,	AC005940, AC004885, U14717, AC004167, U14699, U14685, U14686, U14688, U14691,	U14/10, U1468/, U14692, U12580, AL049/77, AC004019, AC005291, AC003663, AL109733, AC007055 AC006211, AD000450 AD000311, AC004052	AC003048, AF064866, AC007917, AF01516, AC004808, AC005399, AC007320, AL031904,	971, Z74696, UL	AC005385, Z84480, AL035089, AC004814, AC004831, AL132716, AC018725, AP000696,	AC005280, AL031120, AC002331, AC005375, AL033525, AC005046, AL096701, Z98743	AC003003, U14695, U14705, U14701, U14702, AC004812, AC004884, AL031905, AC006001,	AC003950, U47924, AC005751, AC005212, AC004596, AC005412, AC005585, AL137614,	AC010197, AL049869, AF067016, AC006384, AL021391, AC004159, AF015166, AC007387,	AC006071, AC006480, AF015170, AC006456, AC004989, AC000052, Z84479, AC004228,	AC006011, Z69921, AC006984, AC004408, AC007377, AL078644, AL136504, AC004859,	L35531, AC006019, AF015162, S75201, AC006057, AF015158, AC005999, AC006030,	AP000497, AC005701, AL078621, AC000080, AL109758, AC006972, AC010722, AC009731,	AL110502, AL021155, AF031078, AF140763, AC002349, AC005520, AL078580, AC007077,	ACC003041, AL030303, AF14/2/1, AF033000, AL133/40, AL133243, and AL03128/							AI510796, AA351893, AI982994, AA847341, AA778580, AA455202, AI734193, AI791227,	AI732911, AI884404, AI734158, AA581317, AA636077, AA843542, AI815425; AI002863,	W45215, M77964, AI890283, AI207534, AI§67012, AA729628, W02419, R79396, AI816073,	AC006084, AC004820, AC002369, AC002558, AC005383, AC007014, AL009181, AL050308,	AC003071, AC004659, Z98950, AL132987, AC002350, AC005200, AL049699, AB023049,	Z95116, AL021918, AL020997, AL109613, AC002492, AC004816, AL096701, Z85987,	AL035089, Z82190, AC007501, AL049828, AC005775, AL031368, AJ246003, AL021394,	AC005553, AC005535, AL022322, AL121658, AL049838, AC005529, AC006211, AC005102,	AL031587, AL049830, AC005574, AC002115, AF124730, AL079342, AF111168, Z83843,	AC007686, AC000025, AL008582, AC005527, AL022578, AC005630, AC001644, AC004386,	Z97876, AL117344, AC005089, AC005037, AC002316, AL133275, U51561, AP000275, AP000037. AP000105, AL020996, AC004987, 1191327, AL049643, AL049709, AC005099	- 6 - 2 - 2 - 2 - 2 - 3 - 3
	4015171, S7533 AC006502, AL	14699, U14685,	, AC004019, AC	AC004808, ALX AC004808, AC	.049557, AC005	2004831, AL132	AL033525, AC	, AC004812, AC	C004596, AC00:	AL021391, AC	AC004989, AC	2007377, AL078	6057, AF015158	AL109758, ACC	AC002349, AC0	AL135/40, AL1							AA778580, AA4	A636077, AA84	7012, AA729628	AC005383, AC	3002350, AC005	:002492, AC004;	20057,75, AL031.	AL049838, ACC	AF124730, AL0	AL022578, AC	2002316, AL133 [191327, AL049	
	540, Z86061, A 181, AC006312,	7, AC004167, U	2580, AL049777 450 AP000311	422, AL 000311, 917, AF015167,	3, AC006285, A), AC004814, A(331, AC005375,	J14701, U14702	1, AC005212, A	016, AC006384,	170, AC006456,	4, AC004408, A	, S75201, AC00	621, AC000080,	078, AF140763,	211, AFU33U00,							94, AA847341, A	8, AA581317, A	AI207534, AI86	369, AC002558,), AL132987, AC	, AL109613, AC	, AL049828, AC	322, AL121658,	574, AC002115,	582, AC005527,), AC005037, AC 196. AC004987.	6 /
	.00/684, AC004 :005778, AL009	2004885, U1471	87, UI4692, UI: 2006211 A POOO	.064866, AC007	.005772, U1258.	4480, AL035089	.031120, AC002	4695, U14705, I	7924, AC00575	,049869, AF067	2006480, AF015	9921, AC00698	6019, AF015162	:005701, AL078	021155, AF0310	,050305, AF14/		P000692.					351893, AI9829	84404, AI73415	64, AI890283, 1	:004820, AC002	:004659, Z9895(1918, AL020997	2190, AC007501	:005535, AL022	049830, AC005.	000025, AL008	7344, AC005089 000105, AL0209	
0, 0, 1, 000	AC004149, AC AL031584, AC	AC005940, AC	014/10, U146	AC003048, AF	AF015169, AC	AC005385, Z84	AC005280, AL	AC003003, U1	AC003950, U4	AC010197, AL	AC006071, AC	AC006011, Z69	L35531, AC000	AP000497, AC	AL110502, AL	AC003041, AL		H53903, and AP000692.	AC006504.			AB017919.	AI510796, AA	AI732911, AI8	W45215, M779	AC006084, AC	AC003071, AC	Z95116, AL021	AL035089, Z82	AC005553, AC	AL031587, AL	AC007686, AC	297876, AL117 AP000037, AP0	
						-				•	-	•				15 - 266	15 - 128	15 - 439	15 - 220	15 - 133	15 - 259	15 - 331	15 - 267		,						•	t -	,	
						•		v	,							1 - 252	1-114	1 - 425	1 - 206	1-119	1 - 245	1 - 317	1 - 253											
			_		- :											847800	531156	847795	531158	544889	932497	574515	703844				•	-		•				
		-														271	272	273	274	275	276	277	278								•			
					,			·.								HBMSB19	HBMSK92	HBMS015	HBMSO39	HBMTF79	HBMTG05	HBMTM75	HBMTP84						,		•			

HBMTW58 280 806670 HBMTX29 281 689834 HBMTX84 282 537385 HBMTY82 283 523728 HBMUD12 285 574796 HBMUD12 285 74796 HBMUG57 287 735024 HBMUK59 290 712591 HBMUN30 291 693337 HBMUO10 292 953933 HBMUO12 293 417210 HBMUV83 295 531101 HBMUV83 295 531101 HBMUV83 296 793052 HBMUV83 297 924916 HBMUV32 298 959968	1-651 1-139 1-138 1-138 1-316 1-310 1-306 1-311 1-329 1-243 1-243 1-329 1-316 1-178 1-178 1-178 1-178 1-178 1-178 1-178 1-178 1-178 1-178 1-178	15 - 665 15 - 153 15 - 352 15 - 330 15 - 344 15 - 325 15 - 325 15 - 343 15 - 343 15 - 343 15 - 343 15 - 343 15 - 347 15 - 192 15 - 192 15 - 192 15 - 192 15 - 476 15 - 476 15 - 476 15 - 250 15 - 248 15 - 476 15 - 250 15 - 248 15 - 476 15 - 250 15 - 248 15 - 248	AF001548, AC004979, AC005331, AC004999, AC00768, Z83846, AC00026, AC004883, AC005193, AL035423, AL022721, AC006273, AC007878, AC002404, Z83822, AC001227, AJ003147, and AL035071. Z93017, and AL009181. Z93017, and AL009181. Z93017, and AL009181. AL064768, Z98753, AL031681, Z95703, AC000354, AC007036, AL135746, AL109653, AR0060516, US2672, AL133512, AL049564, AL033330, AC006152, AL021812, AC002367, AC010349, AL023330, AC006152, AL021812, AC002693, AC011604, AF121898, AC005323, AC006354, and AL109683, AL09683, AL09683, AC01604, AF121898, AC005323, AC006354, and AL122020. AC007536. AL096791. AL096791. AL096791. AL052313. AV080842, AI126237, AA033525, AI288602, AA070152, AI200312, AW293916, AI738708, AA748547, T71568, AI004853, AA975024, AI674097, AA988905, T82022, AL133609, AL137420, and Z94722.
300	1 - 275	15 - 289	AL043165.
301	1 - 685	15 - 699	AA160290, AA357550, AW377670, AA046565, AA447158, W42824, and N21687.
302	1 - 227	15 - 241	AC020663.
303	1 - 191	15 - 205	
HBMVO02 304 920759	1 - 598	15 - 612	AL109839.

AW291592, AA135499, AI949732, AI367157, AI040759, AA682731, and AA764743.	AC002470.		AI621074, AA648509, AW103842, AI133256, AF118079, and AL133216.			AW377503, AA007382, W23548, AA001311, H53191, and N78201.		AC004223.		A1436109, H27387, A1889289, A1027575, N79584, AA828426, AW014938, N79587, A1174444, A1143425, AW247147, AA826017, T59414, AW087276, AI434510, AI913074, AI351503,	AI200849, AI921728, AI222784, H11717, AI246366, AI936789, AA281074, AI093047, AW004642, AI826923, AA857401, AI313190, AI589862, AI581002, T66176, H14297, AI313169, and AI658705.							Z55829.	AI054090, AI246061, AI284543, AA297207, AI249853, AI251241, F33126, AI254770, AI133514, AI251944 AI251034 AI251203 AI251284 AI251054 AI260407 AA502098 AI300054	R51582, A1160786, A1223626, AA779667, AI421723, AL119156, AL119182, AW019964,	W63553, AA378207, W81372, AA714011, AI866970, T08386, AW303098, AI570019, AI749306,	AA558366, AW069227, AA492114, AA664126, AI368873, AA805989, H86579, AI889579,	AI634187, AI457313, AA772704, AA745628, AA582746, AA491767, AA938727, F35684,	AA657910, AA837771, AA831408, AI619994, AA584493, AA769141, AA302934, H95822,	AA587215, AI858272, AW161016, H78984, W95552, AA078128, T64444, AA890060, T39230,	AASO8/41, 151556, AAY/3913, AAZ44406, AWZ36Z/7, NZ5079, AW39Z414, AL134940, A1110760 TK1928 AW160300 1746402 A1650702 AA122310 AC007406 A1022726	AF196972, AC005881, AL022320, AC006270, AF178030, AC006576, AP000501, AC004813,	AC009248, Z99128, AC005899, AC012627, U82828, AC006084, AC008123, AL049694,	AL109963, AC002425, AC005157, AP000011, AL031432, AF196779, Z98304, AC005291, AL135744, AF165026, AC005516, AC005520, AL132346, AC004812, AC005516, AC005520, AL132346, AC004812, AC005510, AC005520, AL132346, AC004812, AC005510, AC005520, AL132346, AC004812, AC005510, AC005520, AL132346, AC004812, AC005510, AC005520	L133/14, AI 103240, ACCOUNTY, ACCOUNTY, ALINEATY, ACCOUNTY, ACCOUNTY, ACCOUNTY,
15 - 420	15-216	15 - 381	15 - 649	,15 - 323	15 - 216	15 - 411	15 - 453	15 - 324	15 - 325	15 - 496		15 - 348	15 - 312	15 - 80	15 - 419	15 - 598	15 - 399	15 - 481	15 - 362				-					,	•	
1 - 406	1 - 202	1 - 367	1 - 635	1 - 309	1 - 202	1 - 397	1 - 439	1 - 310	1-311	1 - 482		1 - 334	1 - 298	1 - 66	1 - 405	1 - 584	1 - 385	1 - 467	1 - 348											
529678	526863	706033	959223	936058	529837	.765109	574801	573336	573335	712832	. ,	573348	573323	573324	992656	571361	968054	925570	705578											
305	306	307	308	309	310	311	312	313	314	315		316	.317	318	319	320	321	322	323					•	:					
HBMWA31	HBMWA57	HBMWI35	HBMWJ01	HBMWL30	HBMWL91	HBMWQ85	HBMWV93	HBMWX74	HBMWZ14	HBMWZ16		HBMWZ94	HBMXE31	HBMXF47	HBMXG08	HBMXH68	HBMXL10	HBMXM65	HBMXN39									-		
								•					1:	554	4										•					

AL031311, AC003982, AC002310, AC006344, AC003080, AC007447, AP000310, AP000309, AP000048, AP000116, AL078581, AL109758, AF042090, AP000086, AL031003, AL096701,	AL024508, AR036572, U91328, AL117337, AF205588, AC007014, Z84487, AC006538,	AC002043, AC004526, AC002059, AL023807, AC006079, AC000025, AC0055146 AL121655, AC005517, AC005411, AC005189, AC004262, AL079305, AC007055, AF165176, AC006450	AL031230, AF049895, AC005754, AC007676, AC003109, AC003684, AF117829, AP00	AL024474, AC002470, AC005919, AC007363, AL024507, AC002302, AL022318, AC004876,	AP000066, AC003093, AC005914, AP000014, AL031584, AC007312, AL110122, AC004682,	AC007066, AL078477, AC005325, AC007637, AC004674, AC005925, AP000282, AL021394,	AL109628, AC007685, AP000692, AC009509, AL049760, Z97180, AP000040, AP0000108,	AF184110, AC002544, AF196970, AC005562, AC005180, AC003967, AL049834, AP00	AC004849, AP000135, AC007993, AC004025, AJ010770, AL022238, AP000031, Z95152,	AP000313, Z97053, AC006059, AC004651, AD000813, AC005846, AC002039, AC006509,	AC004000, AC007387, AB001523, AP000555, Z97635, AL031668, U70984, AF196969,	AL021920, Z94056, AC009247, AP000050, AC007279, AC005913, U91318, AC006285,	AL021978, AL008719, AL109756, AC005920, AC007023, AC003041, AB020874, AC005755,	AC006480, AC005871, U91321, AL049553, AF019406, AC007129, AC004598, AC005800,	AC004859, AJ251973, AF053356, AP000355, AP000117, AC005274, AP000503, AC007227,	AC002492, AC005737, AF064864, AL035455, AC002365, AC004765, AL035443, AC004560,	AL133485, AC003665, AL035405, AC005049, U91326, AC000379, AL121852, AF091512,	Z85987, AC004491, AJ003147, AF134726, AC004893, AP000552, AF180748, AP00032	AC000118, AD001502, AC002554, AP000260, AP000193, AP000099, AP000121, AL049643,	AP000036, AL008707, and AC010170.	AI934342, AI652289, AI749542, AI708414, AI659752, AA521117, AI685658, AI469153, AA810054, and A 4749006		AI206408, AI765081, AW117539, W76554, W47134, AI282130, R00077, AW139096, AI970492,	F10866, AW003300, AI492386, AI473105, AI699748, R38163, AF007132, and AC006055	AA094354, AL120141, U49973, Z99128, D83253, AP000150, AP000009, AC007869, AC007297,	AL031781, AL022333, AC018633, and AC004382.	AA806368, and AI811425.	AA354804, H95288, and AC004472.	AL035461.	AA634933, and T63384.	AA618452, AA478355, AI284640, AA493695, AL046409, AA453558, AI133297, AL045808,	AL046156, ALZ/011/, AL34515/, AA490183, AL583283, AWZ/5510, 106/54, AW438555, AI499588, AW149313, AA584167, AA775143, AA836811, AA483929, AL042753, AA938105,
		٠.		-							٠		~	•			•	•			15-370	15 - 350	15 - 590		15 - 414		15 - 668	15 - 526	15 - 422	15 - 352	15 - 557	÷ ,
							1						-						•		1-356	1-336	1 - 576		1 - 400		1 - 654	1 - 512	1 - 408	1 - 338	1 - 543	
			-			•													-		731274	892656	574802		693123		706039	787155	657241	764440	953607	
													,								324	325	326		327		328	329	330	331	332	
														100		•••				•	HBMXN69	HBMXO08	HBMXP90		HBMXR44		HBMXS38	HBMXU37	HBMXW13	HBMXW73	HBTAE07	

AW023990, AI963720, AI471887, AA954924, AL119691, AL046266, AA912099, AW163293, AA309257, AA224525, AA533333, AA493136, AW161966, AA019312, AI247199, AA661921,	A1687343, 174382, A1445674, A1828710, A1873852, AA508359, A1313166, AL138455, AW264934, AW302903, AA679936, A1633025, AW021207, AA487888, T41247, A1121235	AI370074, AI431303, AW438643, AA812281, F00107, AW084466, AI311927, AL037683,	AW270343, AI305766, AA838190, AW168618, AW193265, AI559705, AI567076, AW069769,	AA551552, AA774222, AI754253, AA610491, AI350211, AI744826, AA834792, AA101689,	AI732120, AA013124, AA747070, AA580808, AA372481, AA623002, AW408047, AA523833,	AI370094, AI860013, AA680243, AI751216, AA658362, AI584186, AI933534, AI754658,	AW050498, AA502104, AA765736, AI798489, AW085855, AI246119, AA630672, AW407578,	AL046205, AI633390, T51911, AA984166, AI708009, AW149339, AI240168, AI093030,	AL119724, AA493894, AW265194, AA526787, AA834707, AI613280, AI027459, AI754336,	A1953275, AW104030, AA603185, AA826671, AA724333, AI307608, R07710, AI084294,	AL038705, AI039584, AA320966, AI110688, AW302013, AA225072, AL138096, AA483223,	AA478297, AA493975, AA577959, AW193760, AW023149, AI634384, AA484679, AI580250,	AA854993, AA613397, AI791913, AI792133, AW002350, AI821714, AL009051, AC005620,	AC004940, AC006205, AF002994, AC002430, AC007384, AC005754, AC004152, AC004686,	AC005406, AC010072, AC005527, AL121603, Z98051, AC002310, AC004603, AC000029,	AC002289, AC006251, AL132992, AL050308, AP000161, AL096776, U66059, AC004855,	ALU31/85, ALU/8477, ALU35423, ACU04690, AC000025, AC004638, AC009044, AL009029,	ALU31587, AC008014, AC007681, AC007298, AF001549, AL022322, AC003098, AC004519,	ALU32622, ACUUU263, ALU3336, ACUU3089, D83989, ACUU8312, ACUUU333, ACUU2303, ACUU0330,	ACOUZSSU, ALCUMAOS, ALUMAY/48, ALUZS494, ACUU/24S, ALIZIO94, LO9060, ACUU/086, ADAMASS ACAASSAA ACAA888 ACAA888 ACAA885 ACAA885 ACAASSA ACAASSA ACAASSA ACAASSAA ACAAASAA	111 000755, ACCOUNTED, ACCOUNTED, ACCOUNTE, ACCOUNTS, ACCOUNTS, ACCOUNTS, ACCOUNTS, ALT 008775 ACCOUNTED AT 008775 ACCOUNTED A	AL049780, AC005018, AF195658, AC008080, AC004854, AC005411, 1107000, AL109657	AC004802, AC007666, AL031577, AC005234, AP001051, AL022722, AC002540, AC002377.	AL078463, AC006501, AC004057, AL022166, AC005529, AC004087, AC006213, AL136297,	AC007677, AC004972, AC004890, AC007406, AL008716, AF123462, AC005412, AL139054,	AL034549, AC005324, AL021395, AL023879, AP000158, AR036572, U91328, D84394,	AL031054, AC002429, AC004954, AC004019, AF227510, Z93023, AC007055, U91319,	AL022163, AC004070, AC005739, AC000066, AC004130, AC002509, AC007193, AL133396,	AC007919, AL023280, AC002549, AC005822, AC004675, AC004066, AC000114, AC005998,	AC004006, AC016025, AP000049, AC004814, AC005829, AL031286, AF015148, AC008064,	ALVOVZ43, ALVOSZ13, ALVUSZ49, ALVUSS2, ALVUS1US, ALVUS 140, ALV49550, ALUYS861, ALVONSZ48, ALVUSZ488, ALVUSZ488, ALVUSZ488, ALVUSZ488, ALVUSZ488, ALVUSZ488, ALVUSZ488, ALVUSZA ALVUSZA ALVUSZA, ALVUSZA ALVUS	AC005484' AC005753' AC003637, A3010'/0, AL031261, AC003/63, AL030/70, AC004301, AC005484' AC005583 AC003300 A1080378 AC005103 A1035353 AC005300 A1080378
				•				-								-						_										
		_										<u>.</u>						•							١.							
			· · · · ·	٠.	•		•	-				• •					•									-	•				~	
															•			•														
						•												-												•		

				·																				_	_
AC005231, AP000311, AC005065, AP000025, AC006530, AP000014, AC005261, AC004691, AL078604, AL033392, AC004970, AC005066, AL031311, AL049709, AC006344, AC006384, Z98941, AL023284, AC007043, AC009516, AL031983, AL035697, Z94277, AC005387, AF068862, AC005599, AC007877, AC005968, AC006160, AC006058, AC000111, AF042090, AP000065, U18394, AC006479, AC007051, AC006972, AL008720, AP000088, AP000044, AC004612, AL109865, AC006989, AL121934, AL035659, AP000345, AC002385, AL133445, AC002553, AC002402, AC006310, AS884, AC005228, AC004986, AC004672, AC004151, AC004626, AC006312, AC004210, AC007656, AL031848, AC002077, AC005102, AC004388, AL117329, X55926, AL021393, AC005399, AC007314, U95742, and AC002470.	1	AI310343, AA559205, and J03059.		AL031733.		AA527109, AA533660, AF205588, Z83820, and Z82200.			AL110393, H58351, AA564859, H58740, AW074398, AW023672, AA714595, F37169, AI561335,	AW086257, AA626678, F37223, AA878495, AA558697, AA515435, AI205126, AA366035,	AA654627, AA626747, W60516, AW302322, H64777, AA077817, AA748121, AW268338,	AI648558, AA355281, AI867044, AI198376, AI284640, AW088058, F36273, AI053907,	AA652057, AA649642, AI865364, AA308806, AL036523, AA317170, AI016000, F19258,	AA434484, AA095511, AA605274, T40617, F32705, AA663922, F36373, M78150, AI252884,	AI110770, AI446638, F29989, AI888926, AA342901, AA318652, AW406447, F25135,	AW301937, AI281881, AI281903, T40338, AW265654, AI567577, AI358343, AI026770,	AW419262, AI200051, AI053672, AI435544, F18974, AA059154, AW166815, AA127354,	AWID1884, AA3///30, AI4/ID43, AI338229, AI4/I481, AI924251, AI001334, AW400/55, A 4231311 A 4135788 A 7034567 A 416808046 A 4515334 A 413752 A 4831388	AASZISII, AAIZS100, AIOZ4SUZ, AWOOUSH, AIOOO040, AASIISZZ4, AAIZ1SSS, AAOSIISOO,	AI654588 AA569187 AA913549 AI630203 AA663306 AA177061 AA704643 AA338431	AL120295, AA557879, AA565666, F28576, AA446955, AA715270, AW339687, AW276827,	AA661948, AI446464, AA904218, AI654529, AA483034, AI569086, AI350211, AW193265,	AI286356, AI144330, AL042753, AA173238, F35113, AI635272, AW264973, AA650244,	AI343173, AI375710, AA559290, AA327323, Z98473, AI623898, AW193432, AA176924,	A1341004, 1130013, AA010491, A1100362, AA3/8141, W939/0, A1890916, ALV40409, A1/09303,
	15-363	15 - 227	15 - 422	15 - 640	15 - 418	15 - 347	15 - 466	15 - 215	15 - 529								•				•'				
																								,	
	1 - 349	$\frac{1-213}{1-307}$	1 - 408	1 - 626	1 - 404	1 - 333	1 - 452	1 - 201	1 - 515	,						٠	-			١					
	928929	924209	576731	869259	689719	728254	576064	276069	924086	•	_								`						
	333	334	336	337	338	339	340	341	342						, .		,				_				
	HBUAG42	HBYAA17 HBYAB40	HCFAA38	HCFAC84	HCFAF63	HCFAT85	HCFAU41	HCFAU74	HCFAV46				,						,						

AI344844, R72458, AA252763, AI287651, W95841, AA350859, AA737154, AI431303, AI286264,	AA226/15, A1/44/59, AW16/26/, A1049654, AA659085, AL041/55, AW256542, A1499094, AL119691, AI281465, AI287528, AA913114, AI335378, AA626404, AI962050, AW069807,	AI079910, AL037291, F34498, AI151261, AI474085, AW265393, AA299115, AL039958, A1084303, F28776, H64560, AI146484, R98967, AI613280, A1904894, AW029038, A1251002	A1439360, AI761471, AA482711, AW264969, AI610159, AW265294, AI929531, AW338086,	A1499503, AA/45950, AIZ81091, AA302100, AW129001, AL138203, AW238010, AA003530, AII60117, AW270270, AA515751, AI674873, AA640272, AA584581, AC007277, AC005562,	AC006270, M87919, AC006277, Z98751, M87918, AC004062, D83253, Z93783, AP000009, AL109772, AC005201, AC007298, AC005191, AP000552, AL049539, AC007325, AC006312.	AL109654, Z98048, U14715, AC006596, U02058, Z97634, AC004449, AC004132, AP001054,	AC004876, AB001523, AL031293, AC005577, AF109907, Z83841, AB020869, AL023755, 114719, AC007537, A1079340, 768332, AC005553, A1031683, S70607, AC004675, AC007038	214115, AC001331, AL013340, AC003323, AL023163, U14717, AL023807, AF088219, U14714, Z99716, AC007546, AC005274, AL022165, U14717, AL023807, AF088219, U14714,	AC004485, AC007899, AL049611, U14718, AC006213, U14716, U02048, AC007021; AC006132,	AC004139, AL031224, AF181896, AF000151, AL031123, AC005923, U02063, AL133485, AP000455, U14713, AC005730, AL008583, L81726, AC004262, AC007370, AC004234	AC0000003, AL031655, AC006948, AF147277, AC004672, AL033527, AL049814, AC005595,	Z84480, ALU31588, ALU34344, ACU05288, ALU/8381, ACU0/058, ALU34534, ACU050/2, AP000345, AP000346, U14711, U14712, AC005071, AC008033, U14702, U14689, AC004841.	AC005740, AC000070, AC006241, AC006207, AP000356, AC004963, U14706, AP000076,	AC004695, AC004019, U02054, AC000552, AL031282, AC003622, X75555, AC004787, AF002991, AL031679, U11309, X54181, AL023875, AL049780, AC012380, AC004460,	AC006019, AL031447, AC004768, AC005632, AP000141, AC000095, AL133289, AL021920,	AP000143, AP000010, AC004452, AC004979, AC003007, AC000046, U18390, AC005776, AP000738, AL049569, AF006752, AP000090, AL049775, AC005808, AL109733, AC016025	Z98046, AP000140, AC003950, U14691, U14685, U14686, U14687, U14688, U14699, U14710,	X54178, AC007542, AC003029, AC016027, AC002319, I51997, AC006353, AC016830	AC005518, Z86090, AF134/Z6, AC006064, AF000503, AL096/34, AC012599, AC005521, AC005884, AP000211, AP000133, X55925, Z98950, AC004989, AC008101, AC007664.	AC005620, AC004967, M37551, S70694, AC003986, AL133445, AC006484, AC005486, Z82198,	AL078614, AL132992, AC004797, AC005177, AF015148, U18391, AC004592, AP000697, AF015152, AC005081, AC003992, AL121823, AL117329, AC007631, AC004223, Z83745.	AC006035, AL132985, AC005619, AL031848, S70707, AL096765, M87916, AC005571,	AL078596, AC005539, AC004152, Z69890, AC006458, M87917, X54175, AP000433, AC004955,
					, ,					-													
								<u>=</u>	-		·····		•										
													•	·	•								<u>. </u>
											•						· —-		 ,				_

					and AF217403.
HCFAW03	343	.924532	1 - 330	15 - 344	AI952593, AA402934, and T24885.
HCFAY27	344	784950	1 - 254	15 - 268	AA680371, and T85563.
HCFAY33	345	576058	1 - 166	15 - 180	AC005969.
HCFBA96	346	853961	1-176	15 - 190	AI613235, AA903469, AA813305, F25776, AW071554, AW150820, AW194200, AI983597,
					A1240999, AWUU48UL, A130400L, A120222L, AA02833U, AA229734, AA320014, A1303U12, A13095N7 A1918967 A1553849 A15603N0 A1950742 AW075387 AA868647 AA447147
					AI690364, AA411518, AA713800, AA953331, AI094450, AA682774, R96820, AA302484,
					AA872093, AI300639, AI015741, AA130713, AW262508, AI051521, AA496620, AA978132,
					Z38471, AA736839, F31462, F18178, AI350873, AA805472, AA988865, AA496495, T24559,
					AI081865, AI144428, H61569, AA373811, AA229480, AA132945, AA703237, AA229962, A 1600503, A 144775, A 1720505, A 1453250, A W000001, A W015054, A W118526, A 1740388
					AI282565, R56834, AI219656, AI285115, AI369774, AA461097, AW130721, AW339140,
					AW273429, AW148657, AI538694, AA065282, AI866733, AI874208, AI199700, AI805844,
		•			AW008035, AI829142, AW337251, AI983830, H46569, AI814591, AI818220, AW269978,
			-	,	AW168266, AI186921, AA229233, AI610303, N34882, AA832328, AA923506, AI078009,
				,	AI301063, AA670351, AI203695, AI339100, AA987523, AI803837, AI751711, AI445423,
55					W94943, AA449775, AA280728, AI017038, AW276596, AI423558, AI828679, AA677814,
					AI954092, W68425, AI754933, AI799656, AI092937, AI277972, AW274402, AI310725, R59097,
			••••		AI279557, AI310726, AW410249, AA526185, AA573897, AI078388, AI741564, AI147456,
			,		H98073, AW410004, AI300518, AA526998, AI721118, AA522451, AA508660, AA004278,
_	-				AW 182880, AW411240, AISSSU//, AASSSOS, AIZ83484, AIS/U/US, WYU00S, H30US,
					AL120205, R10734, T73441, AI591031, AI741030, AW270071, AI827198, AA628743, H25535,
• •					AI972733, AI927014, T51235, N91829, AA853526, AI860745, AI887607, AA580297, AI348361,
_					R56835, AA229196, AA858412, AA102712, AA228723, A1535963, H26397, AA526103,
					AW189969, AA229458, AA644220, D25820, AW410257, AA557419, AF151822, AF176006, AF189289 and AF192559
HCFBB14	347	658542	1-233	15 - 247	AA223831.
HCFBD91	348	850449	1 - 141	15 - 155	AF172244, and Z74023.
HCFBF07	349	953506	1 - 286	15-300	
HCFBG82	350	870890	1 - 551	15 - 565	AI127475, AI871007, AA142876, AI523587, AI830621, AW134689, AI825831, AA773904, AI862655, AA143146, AI768600, AA576383, AI307774, AW274750, AI916645, AA633463,
000	- 1				A1534349, A160/003, A160/0//, and AW132392.
HCFBI39	351	576018	1-330	15 - 344	
HCFBI80	352	876669	1 - 466	15 - 480	
HCFBL08	353	959617	1 - 289	15 - 303	
HCFBN62	354	576126	1 - 628	15 - 642	AA553332, AA343810, AI354333, AA496309, AA745302, F01222, N70957, AA757869,

AA584597, AW277135, AA297698, AA532875, AI146266, AW249720, T30864, AA484256, AW084161, AA295874, AA295865, AA225358, T63747, AA167549, AA229842, AI866971, AL096766, AC005225, AL133163, AC003663, AP000501, AC004927, D87675, AC005237, AC006285, AC005089, AL031587, AC005215, AF111168, AL031176, AL034429, AL109801, AL121655, AC004821, U07561, AP000359, L78833, AP000555, AL133241, AL022323, AC016025, Z95114, AL117258, AP000343, AC002432, AC004216, Z93017, AL031276, AL035071, AL050302, AL035073, AC002395, AC005483, AP000036, AL049692, AC005387, AL096791, AP000088, AL133448, AC000397, AC005808, AC006315, AL022163, AC002106, AR004690, AC006430, X87373, AC005358, AC004983, AC005621, AC009069, AC006703, AC005755, AC005102, Z98884, AC006211, U82757, AC005740, AC006128, AC005527, AB016897, and AC004476.	AF031077 AF031076 AF031078 and AF030876		AI028522, AI040333, and AI055988.	F19228, A1820/45, A10051/2, W60516, A1005/45, AA551509, AL058/85, AW104/48, A1365988, AA635417, AI205126, AI762575, AA229785, AI914706, AI350211, AA584749, AA557325, AA482504, AA82504, AA82504, AA82504, AA82504, AA82504, AA82504, AA82504, AA82504, AA82504, AA82504, AA826815, AA557025	AI358229, AI904894, AI567674, AW339687, AA856981, AI635272, AI815000, F28576,	AI474713, AA973575, AI569086, AW080134, AI038279, AW337985, AA515051, AI079910, AI133636, AW130799, A1445436, AI890052, AI963786, AI979531, AI 079645, A A487711	AI469003, AI433187, AI890923, AW162049, AL042856, AI679782, AA713815, AA077817,	F31619, AA344959, AL119391, AA579184, AA077952, AL041368, AW440836, AA558269, AW029038, AW118011, AW105538, AI625244; N99715, AL040913, AW088202, AA228329,	A1421213, A1471729, AI358343, AW003434, AI866807, AW264969, F36273, AL048144,	A1499094, A1051551, AW069807, A1049722, A1339850, AW193432, A1284640, AW074398, A1149915, AA904218, AW406755, AL041412, AW088616, A1244254, AL120674, AA340960	C06327, AA365587, A1064952, AW265197, A1608626, AL046746, A1547286, AA743956,	AI653515, AA228420, AI282907, AA837755, AA339076, H88666, AI251002, AW275664,	AI305766, AA639025, AA601270, AI053535, AA745410, AW338500, AI963720, AI761471, AW3277360 A 1565873 A 1468134 A A 3 66035 A 1007840 A 1886060 A A 078483 E 3 1 2 0 4	AN 221,500, ALCOSO 12, ALTOSO 154, AASO 155, ALSO 1604, AAS 1600 160, AAS 1604, AAS 1604, AAS 1604, AAS 1604, AAS 1604, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 160, AAS 1600 1600 1600 1600 1600 1600 1600 160	A1934307, AA516326, T55510, AW407220, AI720141, AA601218, AA381665, AA515128,	AA365144, AI286264, CO5/55, AI688846, AA658255, AA826503, R89296, W38648, AA580662, AW131034, AI291047, AI935827, AI918421, N58729, AI886365, AI87234, AW151016	AW023672, AI821776, AW157005, AW193265, AI028510, AI613280, AW103239, AW419118,	ומיייייין אוני אוני איני איני איני איני איני איני
	15 - 437	15 - 477	15 - 340	15 - 498						,		-						
	1 - 423	1 - 463	1-326	1 - 484														
	835926	576864	828076	2005244	·							. ,					•	
	355	357	358	900			-											
	HCFBO39 HCFBO76	HCFBR92	HCFBS25	HCFBS/3					٠							•		

AA72212, AA68974, AA52841, AUGI1334, AD91823, AA499244, AI19744, AI1976, AI1974, AI1976, AI1974, AI1976, AI1974, AI1976, AI1974, AI1976, AI1974, AI1974, AI1974, AI1974, AI1974, AI1974, AI1974, AI1976, AI1974, AI1974, AI1974, AI1974, AI1974, AI1974, AI1974, AI1976, AI1974, AI197		AA732212, AA659774, AA528441, A1061334, AI291823, AA492244, AI807372, AI124660, W76047 A1317790 A1431303, A1039809 H13868, A1054746, A133664, A154580, A1807	AI110688, AI368745, AA457639, AI355587, AI471481, AI890928, AI053476, AI053774,	AI890570, AI806850, AW276827, AI038990, AW327961, C06458, AL046409, AI557323,	AI590591, AA489775, AA443065, AI588856, AW327960, AI879000, AA115968, AI926846,	AF177861, AL138265, AI863283, AI886176, AA364488, AW264973, AW192199, F13749	AA225195, AW238016, AL135643, AA535661, AA601492, AI537955, AI446601, AW102955,	AA148489, AA715606, F35659, AA747889, AA364567, AI349874, AI284467, AI719014,	AC005694, AC005527, AC005529, AC007687, AC004814, AC005040, AL023574, AL049589,	AC004617, AR060472, U29953, AC005924, AL109733, AC005954, AC004651, AC004029,	AL133246, 297630, AC005225, AL133297, AC006441, AC007436, AF045448, AC002295,	AC007845, AC005177, AC006285, AC005772, AC016025, AC008372, AC004592, AP000358,	AP000954, AP000561, AC002430, AF165926, AC007384, AC007320, S48196, X53795, Z77894,	AL132992, AC005222, AL021977, AC004506, AC006011, AF015162, AC004189, AP000563,	AP000133, AP000211, AC000062, AL035695, AL034400, AC006518, AL121694, AC005696,	AL049836, AF029308, AC003104, AL031286, Z93023, AP000855, AL023803, AL022323,	AC005229, AF002991, AC006537, AC003048, AC005164, Z82203, AC005999, AL022576,	AL033381, AC008126, AP000359, AC004186, AC003959, AL021878, Z98950, AC003003,	AC007051, A39972, AC004806, U12580, AC002462, Z98744, AC004866, AC005399, AC007671,	AF196779, AC004019, AC005341, AL031709, AC006132, AC005156, AC005207, AC005754,	AL121578, L13713, L13714, S75337, AP000305, Z73496, AP000047, AP000115, AF064863,	6511, AC002041, AL035402, AF120990, AC0	AB002329, AL033544, AC005387, AL035450, AC006312, AC006221, AC003088, AC005661,	043945, AC005064, AF064866, AP000311, Z7	.021808, AC007551, AC006480, AC007262, A	2007319, AC006249, AC007543, AC004382, A	8165, AF031078, AC003001, AF030876, AC00	93, AC006373, Z81369, AC004741, AC004808	2002487, AF015160, AC005610, AF015171, A	AF015170, AF015169, AC001528, AF015168, L81648, AC006048, AC005262, AC003030,	AL049859, AP000509, AC006262, AL096771, AC004167, AC008134, AF064857, U12583,	M96868, X13921, AB014460, AF015725, AC002323, AC005525, AC002105, AC005786,	.109618, Z82900, AC006150, AC005048, AL03	.050343, AC004103, AC005913, AC000111, U	.004610, AC004945, AC007005, AC005822, A	2000032, AC00/033, AL/109003, AC000134, A
		AA732212, AA659774, AA528441, A W26042 AT312790 A131303 A1039	AI110688, AI368745, AA457639, AI3	AI890570, AI806850, AW276827, AI	AI590591, AA489775, AA443065, AI	AF177861, AL138265, AI863283, AI8	AA225195, AW238016, AL135643, A	AA148489, AA715606, F35659, AA74	AC005694, AC005527, AC005529, AC	AC004617, AR060472, U29953, AC00	AL133246, Z97630, AC005225, AL13	AC007845, AC005177, AC006285, A0	'AP000954, AP000561, AC002430, AF	AL132992, AC005222, AL021977, AC	AP000133, AP000211, AC000062, AI	AL049836, AF029308, AC003104, AI	AC005229, AF002991, AC006537, AC	AL033381, AC008126, AP000359, AC	AC007051, A39972, AC004806, U125	AF196779, AC004019, AC005341, AI	AL121578, L13713, L13714, S75337,	Z98754, AC005922, AL034549, AC00	AB002329, AL033544, AC005387, AI	AF164343, AP000049, AP000193, AF	AC005099, AP000117, AP000352, AL	AC007461, AC006241, AC005832, AC	AF140763, Z47046, AC005574, AC00	ALU/8644, U47924, S75201, AL02233	AL021939, AL079295, AC022517, AC	AF015170, AF015169, AC001528, AF	AL049859, AP000509, AC006262, AI	M96868, X13921, AB014460, AF0157	AC006456, AF190465, AP000495, AL	AC003589, AC004861, AC002347, AI	AC004168 AC004831 AL031121 AC	ACUONGINO, ACUONGOSI, ALUSIIZI, ACUOUNIS, ACUO (USS., ALIUSSOS), ACUUUIS4, ACUUSAU0, ACUONGINO III8302 ACUUNIS4, ACUUSAU0, AENGOSES VOANO VAINA ACUUSANA ACUUNISA
		÷								•											*															
	٠						,	-																							-			-		
													•												_											
																•	,		,																	

AP000292, AC004391, AF039905, AC006277, Z68328, AP000958, AC006561, AP000566, AL031662, AC005144, AC004363, AL022157, and Z84485.	AC011422.	AA654338, R11792, R18553, AA488229, and R33569.	AI817736, AI084181, and AI918987.	AP000315, AP000118, and AP000165.	Z42409, R59109, W78198, AW276841, R14684, AC004013, AJ010770, AB018346, AF091711,	AF083051, AB019691, and AJ131693.	A1859280, AW392291, AJ342622, AJ598003, and AW167154.	R09578, AA676513, H10338, AA313594, AA336022, N25123, T32628, AL135366, N56063, Z42875, R47343, AA411514, T55290, H40743, H40750, AA402101, AA496316, AA320228,	AA040891, AB027196, and D87451.	AA862312, AI564185, AA702605, AA469451, AI368862, AI628288, AI904586, AI904594,	AI742168, AA847499, AL042667, AL042670, AI679294, AW169038, AA481887, AI679871,	AA827771, AI143840, R93642, AI623364, AF003626, AC006277, AC005534, AC002542,	AL049759, AL021940, AL031848, AC005512, Z93930, AL021877, AC005488, AC005666,	AL096712, AC004019, AP000133, AP000211, AL050332, AF134726, AC004913, AC007676,	AP000503, AL034420, Z99716, Z97632, AC005280, AC007536, AC004596, AC002316,	AC007731, AC005500, U47924, AC006441, AL033527, AC004526, AC000025, AL096701,	AL022336, AC005971, L47234, AC008124, AL035420, Z95114, AF064861, AP000140,	AC005529, AC004033, AC008372, Z98742, AC000120, AL008718, AL022320, AC005899,	AF190465, AC005696, AL049776, AL109827, AC006207, AC005015, AC003977, AF048729,	AF109907, AP000501, AC005932, AL135744, AL133371, AC009247, AL034429, Z82190,	AF031078, AC004150, AF030876, AC002115, AL132987, AP000088, AC006121, AC005300,	AL133245, AC007541, AC003950, AC004825, AL035703, AC009044, AL133233, Z84496,	AC002470, AL022313, AC007308, AC006487, AC002558, AL022163, AC002425, AC004821,	AC006455, AL022322, AC006273, AP000432, AL050318, AF111169, AC007878, AP000513,	AL049869, AL096699, AC007066, AC005821, Z98044, AL031680, Z83819, AC005520,	AP001052, AL031780, AC005625, AC007664, AC005871, AC006312, AF002223, AL031597,	AC002477, AL031005, AL031846, AC005255, AL021546, AC005060, AP000030, AC006538,	AC005067, AC005839, AC006023, AC005232, AC008249, Z93020, AC002543, AL035683	AC007546, AL020997, AC005527, AC005484, AC005881, AL021391, AC005841, AC006111,	Z84480, AB017602, AC005399, Z82198, AC005940, AC004228, AL035079, AC004796,	AC005326, AL008635, AF001549, AL139054, AC005304, AL034417, AL121653, AC005237,	ALU79342, ACU04750, Z82097, Z99128, AC005924, AF108083, AC000118, AL133163,	AC005412; AC005920, AC005568; AL109980, AC004841, AC005546, AC004662, AP000049,
	15 - 557	15 - 287	15 - 461	15 - 269	15 - 472	10 400	15 - 423	15 - 435		15 - 459									•		•				•								
	1 - 543	1 - 273	1 - 447	1 - 255	1 - 458	004	1 - 409	1 - 421		1 - 445									,							:						-	
	916703	707620	573546	576010	828042	07000	920340	725700 1		751764			•					-												ý			
	360	361	362	363	364	3/6	365	366		367	-																						
	HCFBU01	HCFBU38	HCFBU84	HCFBU85	HCFBW13	110001001	HCFBY02	HCFCA31		HCFCB67							*																

Z93023, Z93096, AC012384, AC006241, AC005231, AC004024, AC002310, and AC006042.	AW341274, AI458691, AI802196, and AA937243.		AC005776.	AC009731.	AI086865.	AC003072.	AI472536, AL119457, AL042382, AW117919, AI625464, AI400725, AL041150, AI824576,	AA911767, AI927755, AW265004, AI932915, AI554343, AI345416, AI345612, AW084425,	AI345415, AI611348, AL042544, AA833760, AW161156, F27788, AI073952, AI280670,	AL079794, AA603709, AI174394, AW022682, AL079960, AI874151, AI924686, H42825,	AW163823, AI886022, AI932638, AI568114, AL038445, AI433206, AI866770, AI969655,	AW080402, AW022699, AI954504, AI627880, AI523827, AI284484, AW268243, AI382201,	AL120921, AI251221, AI345608, F35882, AI868204, AW148356, AI470651, AI269862,	AI699011, AW167918, AW078800, AI345471, AI886753, AI866082, AI866741, AI784230,	AI334450, AI916419, AI783861, AW193134, AW193203, AL119399, AL036638, AI494201,	AW021588, AI800341, AI310332, AL037454, AL036403, AI249946, AW268220, AA814990,	AL036215, AI648684, AI470293, AI521594, H89138, AI677824, AI582483, AW148716,	AI866798, AI860897, AI382670, AI863321, AW089275, AI335426, AI348777, AI919500,	AI352326, AI866127, AW168485, AI345148, AI627745, AI241923, AI624293, AI680498,	AI280607, AW302988, AL120736, AI698391, AL121328, AA807088, AI623682, AI682652,	AI613548, AI890907, AI284131, AI434453, AI628833, AW189415, AW168031, AW169653,	AI344785, AL036214, AW167086, AI620284, AI582932, AL134999, AI469738, AI343059,	AL040241, AW302854, AI280747, AA761557, AI799195, AI623622, AW152469, AI866469,	AW149925, AL036396, AI358213, AI573026, AI349933, AI349004, AW162194, AI539028,	AI348897, AI590423, AI310155, AA848053, AI345253, AI344935, AI934039, AI687065,	AW090393, AI343091, AW150794, AI345677, AW058233, AI866820, AI358701, AW169604,	AW149227, AI926878, AL110306, AI862144, AI583308, AI811684, AI889168, AI554821,	AI568132, AI470648, AW196105, AW193872, AI473598, AL046926, AL041772, AI367210,	AI783504, AI929108, AI335209, AW073697, AI567351, AI446092, AI678480, AA983883,	AI921386, AI698401, AI266436, AI689420, AA830821, AI288285, AI890806, AW050578,	AI589267, AI685211, AI306705, AI955906, AI345746, AI612885, AW167448, W33163,	AA494167, AW023859, AI590686, AI950664, AW192052, AI561132, AI637748, AL036673,	AW089572, AI954422, AI680389, AI471361, AW051088, AI696969, AW172723, AW162071,	AW059713, AW271119, AL038605, AW162189, AW020693, AL038565, AI371228, AI580674,	AI344928, AL042440, AL037030, AW088134, AI349798, AA910956, AI680377, AI633477,	AI680457, AI249962, AI288050, AL036718, AI587606, AI431424, AI686631, AI468872,
	15 - 404	15 - 290	15 - 445	15 - 410	15 - 396	15 - 281	15-193								•																					
	1 - 390	1 - 276	1 - 431	1 - 396	1 - 382	1 - 267	1-179							1								•				÷										
	577375	753089	855019	883973	894415	720400	671028	•										•																		
	368	369	370	371	372	373	374						,												***************************************				-							
-	HCFCC57	HCFCC68	HCFCC94	HCFCD44	HCFCF47	HCFCH47	HCFCJ21	_						•								,			٠											

AL048644, AW129230, AF008439, 126207, 148978, Y11587, AL137292, AL1242859, AL137560, AL12297, U35846, AL137429, Z72491, AF125949, A08916, AL137521, AL137476, A08910, I89947, A08909, A08913, I00734, AF113019, AF090934, E00617, E00717, E00778, AF079763, X65873, AL137556, AL049314, AF158248, AL137283, 148979, AL080158, AF111112, I89931, U49434, I33392, AL122098, 149625, AF100931, AL117585, X93495, AR038854, AL137273, AF028823, AF153205, AL117578, AF099003, A08912, AF177401, AL050138, X63574, AL137463, S61953, AB019565, AF113694, AF162270, A08908, U58996, AF017152, AL122049, AL049300, U96683, AL133568, AF146568, AF078844, Z37987, AF061795, AF151685,	AL110225, AF104032, X81464, AL049466, AL133640, AL137271, I42402, U35146, AF183393, A93350, A03736, X83508, AF067790, L19437, Y16645, AL137557, AF118070, AL110196, A77033, A77035, AL049382, AF111851, AR059958, AL133075, AF090900, L31396, 166342, AL117440, S68736, AL117435, AF079765, L31397, AL050277, X72889, AF003737, AF113689, E05822, L30117, 109499, AF090896, AL080124, E02349, AL117583, AF176651, AF111849, Y14314, AL137533, AL080074, AF081197, AF081195, AR020905, AF026124, E15569, AL050108, AL137527, AL049464, AL117432, AL133665, AL133606, E02221, AF119337, AL133645, M30514, AL122111, AL110221, S78214, AF185576, S79832, AF139986, AL137480, AF022363, AF032666, AF000145, AL122123, D83032, AR011880, AF133697	15 - 860 H02221, AL134081, AL908613, and 179533. 15 - 436 H79453, AA053463, AA302978, AI310992, AI300818, AI619994, AI962030, AW083934,
		1 - 846 15 - 1 - 422 15 -
,		850422
		HCFCN66 376

CONTRACT CONTRACT I TENSOLUTE POSSESS FOSOLUTE SOSPISES A PSETENTA ORIGINAL A A 407-201 LA A 407	AA46/209, AL2/1/02, AA534095, A1049304, F33084, AW1932/1, AA420/03, AW103/29, AW197518 AA439481 AA541532 AW073934 A1310343 AW194046 AA135761 A1889579	AA410788, AW277174, AI216151, AI366555, AA573000, AI050076, AA553594, AA728894,	T48723, AW341882, T47075, AI082510, AA669961, AA664126, AA568314, AA745628,	AA513884, AW419389, AA579184, AA525253, AI251241, T41134, AW302017, AW023111,	- AA484892, AW089950, AW341955, AI278972, AA704393, AI356440, AI306717, AA768179,	AW327751, AI521019, AI984168, AA947370, AA349606, F23262, AI254779, AA365586,	AI929531, R67701, AI872229, AA599710, AI268818, AI471455, AI340832, AI031759,	AA738014, AA721645, T93105, AA278496, N71619, AA715351, AA728861, AI572680,	AA493840, AI300054, AW169038, AI049722, AF111168, AC005280, AL050321, AL049843,	AF003626, AL133246, AC004834, AP000030, AC007510, 134294, AP000556, AL022333,	AC005015, Z98051, AL031985, AL022326, AC004491, AC005696, AL031280, AC005327,	AC005005, AL035587, AC005841, AC006275, AL031121, AC004552, AC004623, AC005288,	AL008726, AC004990, Z69719, AC003098, AP000354, AP000298, AB001523, AC006241,	Z68276, AF039907, AL133245, AP000252, AC005031, AC005839, AC005559, AL133448,	AC000353, AP000212, AP000134, AC004999, U80017, Z85996, AC005914, AC004254,	AC003688, AC005037, AL139054, AL096701, AC006288, AC005632, AF001549, AP000044,	AP000112, AL096775, AC002381, AC002401, AC007731, AC005261, AC005500, AC005901,	AP000691, AC007688, AC007690, AC005902, AC008154, AC006597, AL035413, AC006487,	AC006539, AC006370, U81031, AC000028, AC002375, AP000692, X54156, U94788, AL021155,	AC007565, U73330, AL022398, AC007421, AL008730, AC005231, AC007766, AC006511,	AL034395, AC003962, Z97056, AC004973, AC002472, AC002477, AC002119, AC006450,	AC006042, AC006468, Z69917, AL049873, Z98885, AC005972, AL109613, AC005788,	AL031393, AC005913, AF045555, AJ246003, AC004462, AC004796, AP000688, AL050318,	AL031588, AL035652, AC004878, AC004856, AC003007, AF064866, AC009247, AC007225,	AL031255, AC003690, AC005365, AL031229, AC006538, AL031685, AC006116, AP000512,	AC004150, AL008719, AC006544, AC004659, AC004771, AC004643, AC007686, AL121754,	AP000501, AC004752, AF047825, AF053356, AP000300, AL080317, AC004103, Z84469,	AP000116, AC005800, Z82208, Z93017, Z98047, AL133355, AP000151, AL049780, AL008720,	AP000511, AL049631, AC007243, AL034420, Z96074, Z82244, AC003071, AC005004,	AC007312, L77570, AC007546, AC006455, AL035089, AC002288, AC005207, AC005520,	AL121655, AL109799, AL021808, AC002312, AC007664, AC005828, AC004590, AC008989,	AC004033, AC005874, AF134471, AL035455, AC004983, Z97989, AC007226, AP000152,	AC007429, AC002527, AF064857, AC003043, AC008064, AF001550, AC004797, AL035695,	AC005736, AC003667, AC002492, AC011456, AC002565, AC005220, AC004966, AC005778,	AC004019, AC008045, AC004814, AC006084, AL121603, AL024498, AC005324, AP000113,	APU00045, ACU0283, ACU02/1/1, ACU02263, ACU02239, ACU08044, ALU31667, Z93241,
				٠										•																	•					
														•							~			·												
-																																				

AL078581, AC004851, AL031663, AL031282, AL009181, AC000025, AC004650, AC005180, AC004859, AC006464, AP000115, AC002476, AC006101, AL117354, AL031284, AC005535, AL133312, AC002390, AL031848, AC006537, AC006271, AC005723, Z83840, AC004707, AL034402, and AC008372.	, and AA084016.		H26563, AA774273, and AA480145.		H80303, AI809174, AC005091, AC004671, AL031283, AC020663, AL034417, and AC002527.				AC003959.				AA284537, AI161251, AA703386, AI144156, AI080716, T95314, H44601, R54003, R53410,	AA707567, T95396, AI863960, AA705879, AA444145, AA443965, AL045360, AI819631,	AI862146, AL119399, AI336575, AI289542, AW020397, AL043168, AI253379, AI620056,	AW162194, AI698391, AI633125, AA587590, AW051088, AL046466, AW151893, AI638644,	AI345415, AI890907, AI345612, AI590043, AI589428, AL042382, F27788, AL037454, AI800341,	AA806719, AI345416, AI565172, AL043152, AI679550, AI567582, AI802542, AL042544,	AI500061, A.W089844, A.W274355, AI884318, AL079794, AL119457, AI929108, AI637584,	AI889189, AI470293, AL041862, AW152182, AI345688, AI923989, AI567513, AW051059,	AW007309, AI479292, AI538850, AI866469, AI890391, AI538764, AL036187, AI817523,	AI702073, AI473536, AL119324, AI433500, AI499890, AW129264, AI636588, AI540458,	AI954183, AW129659, AI673363, AL040241, AA808175, AL110306, AI267162, AI432644,	AI870192, AI969655, AW301344, AL038505, AI254814, AW059766, AA580663, AI446775,	A1567/69, A1469425, H89138, A1491710, A1270183, A1690813, A1433157, A1589134,	AW021717, AI539800, AL!19511, AI538885, AW022300, AL046618, AI282679, AW104056,	AW021178, AL037582, AI245008, AL037602, AI540674, AI685080, AA975952, AW079572,	AC008151, AF146191, AC005968, AL050309, AC007458, AL050322, Z82206, AL050306,	AL031732, AC005296, AC007392, AC007298, AC002464, AL035258, AL031904, U95739,	AC018769, AC018767, AC002287, and AC009286.		AI697165, AI434288, AA642239, AI818876, AA970105, AI271514, AI571352, AA411035,
AC004859, AC004851, AL AC133312, AC002390, AL AL134402, and AC008372	R13709, Z44811, at		AL043121, H26563	AL033547.	H80303, AI809174,				AA126608, and AC003959		-	AW294229.	AA284537, AI1612.	AA707567, T95396	AI862146, AL11939	AW162194, AI6983	AI345415, AI89090	. AA806719, AI3454	AI500061, A.W0898	AI889189, AI47029	AW007309, AI4792	AI702073, AI47353	AI954183, AW1296	AI870192, AI96965	Al56//69, Al46942.	W021717, AI5398	AW021178, AL0375	AC008151, AF1461	AL031732, AC0052	ACU18/69, ACU18/		AI697165, AI43428
	15 - "595	15 - 332	15 - 445	15 - 566	15 - 363	15 - 339	15 - 377	15 - 425	15 - 564	15 - 364	15 - 358	15-531	15 - 673		,		<u>.</u>	٠,							÷						15 - 353	15 - 590
	1 - 581	1-318	1 - 431	1 - 552	1 -, 349	1 - 325	1 - 363	1-411	1 - 550	1 - 350	1 - 344	.1-517	1 - 659				•	-		,											1 - 339	1-576
	576871	577277	764750	862682	575988	576709	720938	961270	671507	966575	968304	850564	773685			•				•										22//20	6/99/5	945122
	377	378	379	380	381	382	383	384	385	386	387	388	389				`													. 66	350	391
·	HCFCN81	HCFCP14	HCFCP31	HCFCR76	HCFCX73	HCFDB13	HCFDD48	HCFDE10	HCFDE19	HCFDE79	HCFLC28	HCFLD28	HCFLD78										,							TION TO A	HCFLE44	HCFLE95

AI371320, AA865735, AA134979, AI133257, AI536699, AW248707, AI198061, AW182002, AI261681, AI991804, AA344380, AI810573, AI685434, AA293139, AI699206, AA652700, AI688845, AI458014, BE0067, AW007141, AA19341, AI080310, AI360065, AA180504	AW383812, AI739141, AC004707, and D13623.	AA978266, AL049780, and AC007055.		AA312278,			Z84475, and AC006924.	AL043019, AL042433, AI142132, AW372827, AL134902, AI142137, AL134524, AL119401,	AL119443, AL042450, AI142139, AL042896, AL079687, AL039912, AL134525, AL119522,	. AL119396, AL042978, AL042544, AL042614, U46351, AL134536, AL042965, AL042975,	AL119418, AL037205, AL042984, AL042542, AL119464, AL043033, AL043029, AL042551,	AL119511, AL043003, Z99496, AR069079, AR043113, AR066494, and AR060234.	AA281808.	AL096816.	AA082673, and Z36960.	AI040051, AW438542, AI824541, AW021917, AA130647, AI004591, AI270476, AI061313,	AA225044, AA878140, AW265090, AA582554, AW167154, AW103383, AI623563, AA862243,	AA653139, T50676, AW105729, AA665181, AA610509, AI821044, AL039187, AI590458,	AW302048, AA570740, AA483606, AI275183, AA955031, AW075132, AA568204, AI536625,	AA658844, AA574442, AI745473, AA879053, AI598003, AA601278, AI559645, AA528480,	AA664604, AI292236, AA528390, AA613627, AI590499, AI338426, R94354, AA121777,	AI276298, AA191418, AA970967, AI017251, AI791659, AI753365, AI859280, AA598545,	AA579566, AA224995, AA584482, AI654285, R94288, AA347114, AI244356, AA581460,	AA572685, AW161636, AA618316, R96643, AC005822, U50871, M87914, AC006512,	AL035588, S42653, AP000555, AJ131757, AC005399, AL049872, AF053356, AC005341,	Z99716, AC005529, AC005057, AP000212, AF196779, AC005778, AL109623, AC005747,	AC005899, Z69917, AC006965, AC002470, Z95114, AF134726, AL022069, AC005089,	AC005907, AC004408, Z98884, AL022313, AF045555, AL009181, AC005971, AC005041,	AC006480, AL049557, AL021978, AF187320, AC009498, AP000512, U85195, AL109952,	AP000552, AC007685, AC007227, AC005391, AC007421, AC005288, U47924, AE000658,	AL008726, AC006013, AC005588, AC002558, AC005225, AL139054, AC006600, AC004975,	ALU34555, AC005/46, AC005484, AL121694, AC003665, AL035072, Z82901, Z82214,	AL030308, AC006953, AC005082, AB022537, AC004099, Z97056, AL034420, X84664, AC007052, AC007686, AL034548, AL033521, AC004386, AC005562, AL066776, AF196969
	•	15 - 344	15 - 439	15 - 539	15 - 338	15 - 474	15 - 257	15 - 590			*		15 - 410	15 - 520	15 - 527	15 - 451			,					•			•					2	
		1 - 330	1 - 425	1525.	1 - 324	1 - 460	1 - 243	1 - 576	×				1 - 396	1 - 506	1 - 513	1 - 437	,					,									•		
		579039	711243	722269	276068	68136	576043	576054	<u>.</u>		•		576040	970849	964870	610219			-						-		•				-		
	-	392	393	394	395	968	397	398					399	400	401	402												•					
		HCFLF96	HCFLG84	HCFLI49	HCFLJ40	HCFLP31	HCFLR55	HCFLR83		,			HCFLT42	HCFLU12	HCFLW58	HCFMC42																	

AC002504, AB023051, AL049776, AP000502, AL009178, AC004859, AP000496, AC002544, AC005049, AC007563, AB017602, I34294, D84394, AC002425, AC010582, AC004813, AC005049, AC002471, AC002314, AP000501, AP000359, AL049694, AC002316, AC005520, Z95116, AC002418, AC005722, AL021154, AL032821, AC00240, AL03587, AC005520, Z95116, AC005086, AC003688, X85812, AC005394, AL049759, AL031668, AL033527, AL079340, AC012085, AC004655, AC002430, AC002398, AL031427, AL117339, AC006538, AC002485, AC005527, AC009516, AF001549, AF047825, U96629, AC007478, AC00638, AC005387, AL021918, AC003077, AF196970, AC006476, AF047825, AC002457, AC005449, AC007384, AC005070, AC006530, AL051228, AC005694, AL034582, AF109907, AL022323, AL031311, D87675, AJ246003, AC007690, AC00301, AC005378, AC006160, AC009247, AP000134, AL034582, AF109907, AL022323, AL031311, D87675, AJ246003, AC007690, AL049553, AC005578, Z93928, AJ011713, AC005261, AC004913, AL078621, AC004019, AD000833, Z97053, AC010197, AC008079, AL0322318, and AC005500.			AL031283,		AA243815, AW173441, AW173520, AA354361, AW082254, AI628870, AI936417, AI640772, AW293620, Z32860, AL049667, and AL022398.		AI446464, AI284640, AA649642, AA515435, AW440976, AW236342, AI264743, AW383634, AA350859, AI623696, F32894, AA483034, AI273185, AI688846, AI205126, AA318652, H64777, T63104, AA470985, AA365347, AA558697, AA535661, AI053672, AA886584, AI064864, AA077817, AI471481, AI910609, AI251002, T07287, AA557879, AW193265, AW383542, AA605274, AA747472, AA513999, AW193432, AI334443, AW088058, AA593060, AW089810, AW272758, AW438643, AI350211, M62249, AI830390, AA177061, F36273, AI110770, AA601892, AI648558, R13151, AA229785, AI830390, AA177061, F36273, AI110770, AI590958, AA714453, AW338086, AI046409, AI040313, AI608626, AF150152, AA331025, AI085719, AA368936, AI049722, AI281881, AW383608, AW383628, AA328591, T06556, AW383440, AA369477, AI431303, AW383605, F24284, AA593247, AW3836424, AI962050, AI341664, AW383606, AI281903, T40077, AI286356, AA653221, AI120674, AI337955, AW261871, AA252763, AI287528, AI653905, AI367401, AW419262, AI367420, AI890923, AI352078, T08638, F37169, AI391124, AI499938, AW272641, AI687962, AA366820, H15679, AI040940, AA300016, AW779975, AW333658, AI695331, AI867380, AI418377, T40338, AI040940, AA300016, AW779975, AW333658, AI696531, AI867380, AI418377, T40338, AI040940, AA300016, AW779975, AW333658, AI696531, AI867380, AI418377, T40338, AI040940, AA300016, AW779975, AW333658, AI696531, AIR67380, AI418377, T40338, AI040940, AA300016, AW779975, AW333658, AI696531, AIR67380, AI418377, T40338, AI60840, AA300016, AW779975, AW333658, AI696531, AIR67380, AI418377, T40338, AI6796, AI6796, AI67968,
	15 - 671	15 - 338	15 - 437	15 - 581	15 - 826	15 - 368	15 - 471
† · ·	1 - 657	1 - 324	1 - 423	1 - 567	. 1 - 812 .	1 - 354	1 - 457
	975075	676003	576815	973243	773342	576063	970843
	403	404	405	406	407	408	409
	HCFMD15	HCFMD23	HCFME27	HCFMF47	HCFMF64	HCFMG14	HCFMH12

AI702095, AW151896, AL041690, AI133164, AI186470, AI720431, AI148245, AI291268, AI358571 AI684208 A1340453 AW383455 AW383455 AW383630 A A084070 B18074	AI431232, F31204, AI287651, AI537030, AI753567, AA632407, AI677668, F33511, AW082063,	AA587604, AA704147, AA679672, AW276172, AA719805, AI282832, AW166815, AW168342,	AW025031, AA441788, AA626404, AA491762, AA745410, AI434695, AW162049, AA443695, A A123280, A A123880, A A123880, A A123880, A A123880, A A123880, A A123880, A A128880, A A123880, A A123880, A A123880, A A128880, A A18880,	AIS57674, AI774523, AIS25656, AIS35850, AIS35444, AAS565222, AI267431, AIIS3030, AI567674, AW406162, AI367471, AI801591, AI270117, AA515051, AI364020, AW022379,	AA365302, AA079101, AA572975, W79504, AI341548, AI679782, T07451, AA100372,	AA526779, AI904894, AW338292, AI354587, AI917271, AI281465, AI252554, AI538928,	AA102047, AI613473, AI268812, AW383596, AA977743, AL079812, AW274349, W47444,	AA664535, AA321311, AW023672, AW270270, AI371070, Z93784, AL049869, AC003983,	AC004933, AC007056, AC005220, AL031846, AL035071, X87344, AC000067, AL035667,	151997, M87916, AL022324, AC006062, AC006965, AC006055, AL096867, AC004947,	AC006212, X75335, Z84476, AB000882, U57005, U18393, AC004878, U18394, AL050308,	X55928, U18390, X55932, AC005013, S70697, AC005251, X54180, AC005909, U57009, U57006,	AC007126, AC005962, U91324, AL078463, U85195, S75337, M87919, S70694, AP000567,	Z98256, AL032821, U02054, U02063, AC005348, AE000658, AL096773, AC004638, X55925,	AC004963, AL133246, AC005015, AC005389, AF003627, AC004896, AC005246, AL034548,	AL035681, S70707, AF147277, U18392, U02058, U18391, AC006925, AL031680, AC006370,	AC004158, Z98946, AP000431, AB003151, AP000688, AC005502, AC002119, AC004537,	AF196779, U18395, U14719, AL109733, D83989, AL049636, AC005207, AC005915, U14701,	U14695, U14705, X55924, AP000346, U14699, U14702, U14710, U14685, U14686, U14689,	U14691, U14692, U14707, L81648, AL021453, AC006057, AC005145, AC005297, AL049710,	U14718, AC005023, AP000302, Z68165, AC004815, AC007919, X55930, AC003029, AC002056,	AC006210, Z84474, AF090944, AF077058, AC006336, AC005019, AC002366, AL031311,	X55926, AL133238, AL049835, AC004381, U18398, AC004890, U14708, U02048, AP000114,	AP000046, AC005581, AC000124, U14703, U14688, U14687, AL035407, AC005544, AC005341,	AP000193, AC007100, Z30993, AL121603, AC006417, AC004220, AF038458, AL008728,	AP000050, AL031257, X55922, AF015156, AC007384, AF053356, AL049776, AP000311,	AC005696, AC004222, AC006996, Z94277, AC005082, Z49816, AL008718, AC003013,	AC007792, AF015147, AP000117, AC006241, AL008723, AC005971, AL078624, AP000017,	AP001053, X54175, AL031347, AF161343, AL008709, AC003007, AL080242, AC005284,	AC005763, AL008635, U63721, AC005552, AC004496, AL031589, AC008119, AC007421,	AC006596, AF029308, AL022476, AC006026, AC005873, AC006536, U14700, AC004668,	AC002086, AL080285, AL031770, AC004859, AC005332, U14684, U14693, AC006511, Z99754,	AF111169, AC005575, U18396, AL121653, AC005699, AF094481, AP000557, AC020663,	AB020859, AC005003, AL022394, D42052, AP001043, AC004895, AL035494, AC005412,
	-						-								•						•				-								-	
			•		-		`			=	-			•				•			ě				-					·				
	,	.,								•	•							•	•	-				_			_		_					
			-																					•										
			*			,		•				,										• ,		*****				***			•			

AC005385, U91327, U66059, AC004799, AL031258, AC006292, AC004996, U07000, AC004006, AC004841, AL022318, AC004987, AC003075, AP000460, and AC005822.	AA493118, and AL135744.		AC006388.		AL031594,			AC006406,	.AC006978,	R16166, AW245400, AI092564, AI298418, AI190180, AL135607, AA255476, AW341937,	AA774687, AA232248, AI675174, AI356983, AA770006, AI500630, AI200144, AI339987,	AW071871, AA350500, AA732754, AI086463, AA055479, AI080604, AI591153, AI090505,	AI090526, AI619931, AI151262, AA765701, AI015327, AA173394, AA257977, AI857270,	AW058653, AI858857, AI743631, AW131669, AI361482, AA171810, AA621676, AW072043,	AA159603, AA165670, AA357206, AA070895, AI083788, AA643264, AA699650, AA373130,	N29760, AW248832, AI401838, AI696781, AA086047, AI829320, AA232744, R44869,	AA133807, AI089956, F09118, AI352487, AA369978, AA486761, AA182536, AA128868,	AI699007, AA134215, AA977086, AI885043, AA232537, AA954867, AI086697, AA256882,	AA457397, AA865872, AA757809, AA811925, AW377769, AA805830, AW006314, AI758593,	AA045484, AI246878, AA421465, AI679033, AI587487, AI572423, T30157, AA515407,	AW193414, AW085830, AI672912, AW196633, AA527495, AA568558, AA026270, AA594129,	AI569433, AA864390, F03978, R51276, AW304405, AI017824, AI061053, AI074649,	AW009091, AI560098, AA999878, AI888289, AI097160, AI587320, AW002779, AA725226,	AIS59525, AI017407, AI741332, AI911638, AI685232, AI890180, AW295035, AI991285,	AW084565, AI859307, AA947282, AI090794, AI744955, AW182337, AA844680, AA535324,	AI014459, H28345, AA357685, AI143713, R35871, AW129646, AA457115, AW044140, R67967,	R26888, AI660218, M79078, AI742893, AI436778, AI718841, AW292472, AI818656, AA421496,	AA664765, AA621134, AI719132, H65810, N74909, AW087942, AA457447, and AI811113.		AC006479.	AW362709, AF165294, AJ012376, and AF165281.		AW002831, R69527, AA713735, AL118925, AA808982, AA745302, AA335519, AA429481,
:	15-356	15 - 270	15 - 375	15 - 423	15 - 437	15 - 379	15 - 465	15 - 482	15 - 164	15 - 678	•							- <u></u> -						-					15 - 574	15 - 312	15 - 489	15 - 143	15 - 350
	1 - 342	1 - 256	1 - 361	1 - 409	1 - 423	1-365	1 - 451	1 - 468	1-150	1 - 664																ė			1 - 560	1 - 298	1 - 475	1 - 129	1 - 336
	276096	576081	576094	860915	260925	506251	276667	506250	953522	805822																			954213	933017	664132	772262	576446
	410	411	412	413	414	415	.416	417	418	419							٠									,			420	421	422	423	424
	HCFMJ70	HCFMK25	HCFMK27	HCFMK49	HCFMK62	HCFMK63	HCFML42	HCFMM81	HCFMN07	HCFMQ64									-	,			-						HCFMT62	HCFMY85	HCFMZ17	HCFNA30	HCFNB62

	AI207476, AA297698, AA676875, AA587078, AI915081, AA295865, AA295874, AW080215,	TATAOLOJOS) TATAOLOJOS, TATAOLOS, TATAOLOJOS (TATAOLOGO), TOTOS (TATAOLOGO), TATAOLOGO (TAT	AA0030/4, AA322300, A1439393, AA030122, F143771, AA332673, AL271963, AL342163, A179840 AT708407 AA441810 AA778939 AA715418 AA275358 AW157731 T07346 AW377893	AA772704, AA513125, AA525807, R87275, A1271766, A1368732, AA715075, A1870453.	AW074497, AL021368, AC000091, AL035405, AL022336, AF111168, AC008040, Z49236,	AC004883, AC005829, AC007227, AC000378, AC006505, AC004851, AC005726, AC007308,	AC008928, Z97056, Z95116, AC000353, AL133246, AC002126, AC006239, AP000555,	AC002115, AL035249, Z98950, AC007546, AL031230, AL031905, AC007652, AC004703,	AC005914, AP000103, AP000032, AL133448, AL031591, AJ251973, Z99943, AC005952,	AL049758, AF196779, AL031848, AF002223, AP000704, AL021453, AC003042, AC002070,	AF196971, U62292, AC006965, Z98884, AL021578, AC007637, AL023284, AC005088,	AL117694, AC002511, AC005763, AL022238, AC005488, Z73900, AP000008, AC009516,	AC006146, AC003663, AC006486, AL078581, AF196970, AC004821, AL031255, U95741,	AF042484, AC004531, AC006111, AC005609, AC005874, AF134471, AL021977, AC002404, .	AL050308, AP000030, AC004583, AC004223, AC003108, AC005920, AP000269, AL135960,	AJ131016, AC004228, AC003957, AF030453, AC005753, Z93930, U63721, AL080248,	AL035659, AC004687, AF111170, AL022312, D87675, AC004611, Z84469, AF207550,	AL117344, AC009802, AL008715, AC008055, AL035086, AC004098, AL049872, AL117258,	AC004805, AC002563, AC004644, Z82206, AC005102, AC005086, AC002477, AL031587,	Z85987, AC006463, AL020997, U07000, AL022311, AF067844, AL009172, AL133445,	AL049843, AF001549, AC004967, AP000212, AP000134, AC004125, AC005722, AC004030,	AC004150, AC006163, AC005778, AC004760, M87889, AC005081, AD000092, AL049692,	AC005924, AC005531, AF006501, AF064861, AC004794, AL023879, AC006312, AC005409,	AC002565, AC010205, AC005206, AL049709, AC005899, AF196969, AC002400, AC006014,	AF039906, AC004985, AC002470, AB023051, AC006449, AC005736, AC020663, AL008726,	AC007363, AC005231, AC005972, AC004991, AC005755, AC006165, AL049793, AC006509,	AC007565, AL031659, AF176815, AC007225, AC005331, AL121825, Z84466, AC002551,	AL109798, AC002314, AC005244, AC004881, AL022396, AC005229, AF001550, AC005332,	AC002492, AP000494, AC005667, AC005412, AP000689, AC007065, Z95152, AP000556,	Z93023, AC007226, AL049776, AD000812, AB016897, AC002559, AC006088, AC005756,	AL122020, AL049779, AC004983, U91323, AL132987, AL109801, AL049569, AP000509,	AC004552, AC005011, AC005225, AC004770, AC005343, AP000014, AL031258, AL021154,	Z98036, AL031284, AL049646, AL022320, Z93020, AC008116, AL031276, AC005786,	AI.031056, Z97630, AC004841, AC008134, AC004033, and AC004148.	AC005999, AL031012, AL078602, AC002485, AL022164, AL031429, and AC005539.		
															a k														. ·	,			-		15 - 707	15 - 373	
		•							· · ·		,												•			~				 -		•			1 - 693 .	1 - 359	
							4		-	 -		-																			•			•	973548	276008	
			٠																											٠					425	426	
																			,				٠			,			•			-			HCFNK43	HCFN055	
4				•	,	٠		.``									15	71														-					•

							 ,				<u>.</u>																ř.					
T57391, N26420, AW340665, AI827647, AA280976, AA521364, AW340711, AI217472, AA429950, AW274378, AW340146, AI970154, AA906042, AI290997, AW188032, AC006208, and AJ003081.	AA648299.		AI801107.	AA229738, and AA229023.	T71466.	AI066646, AI375684, AI755202, AI720301, AW130427, L42230, AC002128, AC005808,	AC005327, AL031965, and AC008994.	Z30202.		AA480486, AA469230, H81700, AA468356, AA502532, AW238495, AA018923, AI537800,	AI609972, AA021561, AA768179, AA608561, AA362349, AA229159, AW392414, AA857812,	H86221, AA429481, AA829036, AI267356, AA728861, H99700, AI279417, AA610233,	AA773881, AA599080, AI648514, N91711, AI738863, AA558404, AI459733, AA715351,	AA601680, N41775, AI267450, AA601212, AW302017, AI185394, H84412, AI471455, N70449,	AA564925, W28961, A1280535, AA573000, H24957, A1340858, A1718323, AA376896,	AI687343, AW440368, AA654482, F00688, AA351808, AA197019, AI583466, AI306232,	AI251576, AA302661, AA297443, AI340700, AA302978, AA629852, AA228979, AI929796,	AI933716, W63553, AA457754, AW328331, AA229823, AI253376, AW188742, AW150781,	AA946848, AA507675, H67064, AA019003, AW328330, AI932871, H59651, N28624, AI306717,	AL137946, AW274191, AA610381, AI249365, AL041375, AA362348, H58293, R69819,	AI282629, AI249688, AA515168, AA648569, AC005318, Z95326, AL035088, L44140,	ACUU/993, ACUU4839, ALL133103, ACUU/036, L/7370, AF130343, Z81007, ALU80243,	AFUUUJUJ, ALUZI/U/, ALBUUZJJ, ACUU46JQ, AFIJ4/20, U/J044, ACUU40JQ, ACUU49QJ,	ACUUUUUS, ACUUSUUS, ACUUSUSZ, ALIUSSU', ALUUSIIS, ACUUZSUU, MEN 885, ACUUUSIZ, AI 035400 AI 034553 ACUUA646 ACUU5768 ACUU0985 AF207550 AF111168 ACUU4525	AC006455, AF111169, AP000348, AC005225, AP000349, AL023883, AC004587, AC005189,	AC005696, AL096678, AC002350, AC004167, AC002064, AC003108, AC005027, AL023655,	AC005569, U96409, AL109758, AC005207, AC005004, AC005071, AL022326, AC003007,	AL031584, AP000350, AP000343, AP000555, AL022718, AC006050, Z94801, AC007057,	AL049872, AC004817, AC002400, AL049569, AL009050, AC006017, AC005480, Z85987,	AC009300, AC006315, AL121757, Z83820, AJ009610, AP001060, Z68285, AP000362,	ACUU0948, AL11849/, ALU2210, ALU30/91, ALU34333, ACUU3932, ACUU/308, ACUU4030, ACUU4	AFUSSSSO, ACUUZ47U, ACUU00115, AFUUUSS4, ACUU7084, ALUS100S, ACUUZSUZ, ABU1SSSS, ACUU6509, ALU35448, ACU06360, AL121653, AL035458, Z70280, ACU04967, Z95115.
15 - 902	15 - 140	15-216	15 - 543	15 - 394	15 - 399	15 - 330		15 - 496	15 - 401	15 - 551	-		•		٠.																•	
1 - 888	1 - 126	1 - 302	1 - 529	1 - 380	1 - 385	1-316		1 - 482	1 - 387	1 - 537			•							•				•						-		
615351	961196	576005	561625 .	216007	577114	967195		796104	575965	460824								•											,	-		
427	428	429	430	431	432	433		434	435	436												-	•									
HCFNQ04	HCF0B11	HCFOE38	HCFOF90	HCFOG82	НС РОН56	HCF0I11	12	HCFOL96	HCF0018	HCFOP42				,			•	**					•								,	

AL133500, AF141308, AL034420, AC002310, AL117337, AC005483, AC004855, AL121603, AL133500, AF141308, AL034374, Z97989, Z47046, AB020878, AL049759, AC005386, X58139,	AF227510, AC007314, AC005666, AC004832, AC006207, Y10196, Z98257, AL031228, U91318, AC005907, AC004134, AC006121, AC003982, AL031846, AC002565, AL034429, AC005730, AF205588, AC011718, AC008079, Z99716, AC004961, AC008273, AC004895, AL035405,	AL031587, U82828, AF042090, AL008716, AC005244, Z84572, AC004408, AL035587, AC002504, AP001068, AC007773, AL009181, Z93017, AC008132, AL031277, AC007160,	AL049776, Z83856, AC002365, AL035086, AC007325, AL031651, AL121658, AC007981,	AC009721, AC006071, AC006064, AL049856, AC003077, AP000695, AP000694, AF172277,	AP000553, AC007546, AL021453, AF001550, Z84469, AC006262, AL034369, AC004808,	AC003957, AC004953, AC005940, AC004857, AC004890, AC002524, AD000812, AC007386, AC004096, AL 031659, AC005399, Z96074, AC006111, AL 133382, U62317.	AC006453, AC002559, AC002312, AC005519, AC000029, Z83841, AC004222, AC004033,	AC007099, AC007350, AC002395, AC005102, AC007790, L81577, AC005186, AL096701, A1.133245, AC018613, AC004039, AC004623, AC006026, and AC005344	5 - 404	68 AI749002.	5-316 AW134410, and AL042629.	5 - 237	5 - 431	5-328 AA342610.	5 - 231 T78930.	5 - 232 AI249862, AA911187, W52505, AW118534, AI085242, H72530, AP000555, D86995, AC004787, Z68870, AL021154, AC004491, AC004142, AL109758, and AC004032.	5-294. R70107, R69934, AL031681, AC005387, and AC004821.		5 - 254 AL133485.	- 293 AA502860, AA593267, AA558227, AI446638, F35659, T58118, AL137954, AI963095, H73081,	AW028429, AW148792, AL042756, AA487995, AI141675, AI215727, AW438916, AA487884,	AI538301; AA3/9249, AI499094, AW0980/, AW083991, AW193609, N2/333, AW029280, AI884487, AI676218, AW130535, AI915068, T91187, R80865, AI761471, AI926681, AI860677,	A1248679, AA680243, AI625570, AI039451, T65812, N66945, AI625468, AA383838, AA977743,	AA629939, AI768952, AI125139, T08074, AA664535, R35972, AL048925, AI928866, A	AC004167, AC005516, AC004141, AP000065, AC007766, Z84718, AP000351, AC003041,
		····	•	· ·					15-4	15-68	15-3	15-2	15-4	15 - 3	15 - 2	15-2	15-2	15-3	15 - 2	15-2					
						8			1 - 390	1 - 54	1 - 302	1 - 223	1-417	1 - 314	1-217	1-218	1 - 280	1 - 334	1 - 240	1 - 279	•		· ·	,	
	•	• 21	•				Į.		927654	670941	738408	989656	706427	504395	916651	916621	574164	959492	676289	574256			. —		. —
		,						,	437	438	439	440	441	442	443	444	445	446	447	448					
		-			*	-			HCFOP46	HCUAA60	HCUAD58	HCUAE70	HCUAG89	HCUAG92	HCUAH15	HCUAH60	HCUAH70	HCUAI71	HCUAK23	HCUAK49		0		,	

AP201337, AL039724, AC004216, AC005434, AC005434, AC005436, AC005436, AC007272, AC004216, Concolorance and accolorance and a	:					AC006128, AC0065376, AL035587, AC008071, AC002349, AL096701, AC004531, AL049780, AL139054, AC006530, AC002477, AC005066, AL109802, AP000503, AC004066, AC006600,
449 953876 1-442 15-456 450 574375 1-313 15-257 451 727174 1-243 15-257 452 574154 1-499 15-257 453 577897 1-163 15-205 454 850140 1-191 15-205 455 924902 1-311 15-325 456 850062 1-334 15-348 457 506688 1-279 15-293 459 953869 1-484 15-398 460 920694 1-140 15-161 460 920694 1-140 15-308 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-341						AF201337, AL049776, AL035450, AC005548, AC008372, AF151680, X14448, AC000125, U78027, AP000692, AC006539, AC004837, AL035422, AL021808, AC007227, AC004216, 1166060 AF200923, AC006123, AC007748, AL035451, AC004055, AL031846, AC005914
449 953876 1 - 442 15 - 456 450 574375 1 - 313 15 - 456 451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 513 453 577897 1 - 163 15 - 513 454 850140 1 - 191 15 - 513 455 924902 1 - 191 15 - 325 456 850062 1 - 311 15 - 348 457 506688 1 - 279 15 - 293 458 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 308 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 225 15 - 239 464 577238 1 - 225 15 - 341					•	AL049823, AL023880, AC006480, AC005566, AL080238, AL049699, AC002074, U95740,
449 953876 1 - 442 15 - 456 450 574375 1 - 313 15 - 257 451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 257 453 577897 1 - 163 15 - 205 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 205 456 850062 1 - 311 15 - 293 456 850062 1 - 344 15 - 293 457 506688 1 - 279 15 - 293 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 161 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 225 15 - 234 464 577238 1 - 327 15 - 341		·				AC006354, AL021937, AC006559, AC005736, AC007536, AL023579, AJ239325, AL121655,
449 953876 1 - 442 15 - 456 450 574375 1 - 313 15 - 257 451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 257 453 577897 1 - 163 15 - 257 454 850140 1 - 191 15 - 205 455 924902 1 - 191 15 - 325 456 850062 1 - 314 15 - 348 457 506688 1 - 279 15 - 293 459 953869 1 - 484 15 - 161 459 953869 1 - 484 15 - 164 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 225 15 - 239 464 577238 1 - 257 15 - 341					•	AL022163, AC005924, AC004614, AC005060, AC007845, Z94056, AC004099, Z98884,
449 953876 1-442 15-456 450 574375 1-313 15-257 452 574154 1-499 15-257 453 577897 1-163 15-257 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-334 15-328 457 506688 1-279 15-293 459 953869 1-484 15-293 460 920694 1-140 15-161 461 574193 1-294 15-308 462 934633 1-294 15-308 464 577238 1-225 15-239 464 577238 1-327 15-339				-	9	AC002330, AC004963, AC003084, AC007056, AC004605, AF015153, AF000115, AC004658, AC006543, A1031588, AC003083, A1035461, AC005913, AC006449, AC005531, A1050321.
449 953876 1 - 442 15 - 456 450 574375 1 - 313 15 - 257 451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 257 453 577897 1 - 163 15 - 205 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 325 456 850062 1 - 334 15 - 348 456 850062 1 - 334 15 - 348 457 953869 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 225 15 - 234 464 577238 1 - 257 15 - 341		- -		•		AL049843, AL034420, AL049591, AL034343, AL009179, AB019437, AF111168, AC004797, and
449 953876 1 - 442 15 - 456 450 574375 1 - 313 15 - 257 451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 257 453 577897 1 - 163 15 - 257 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 325 456 850062 1 - 334 15 - 348 457 506688 1 - 279 15 - 293 458 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 225 15 - 239				•		AL117375.
450 574375 1-313 15-327 451 727174 1-243 15-257 452 574154 1-499 15-257 453 577897 1-163 15-213 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-334 15-328 457 506688 1-279 15-293 459 953869 1-484 15-161 459 953869 1-484 15-498 460 920694 1-140 15-164 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-331	HCUAL07	449	923876	1 - 442	15 - 456	AI919285, AI091391, AI143678, AW152653, H92931, AW243238, AI863952, AI263430,
450 574375 1-313 15-327 451 727174 1-243 15-257 452 574154 1-499 15-257 453 577897 1-163 15-213 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-334 15-325 457 506688 1-279 15-293 457 506688 1-279 15-293 459 953869 1-484 15-498 460 920694 1-140 15-161 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-331						AI308855, AA814965, AF079098, and AF079099.
451 727174 1-243 15-257 452 574154 1-499 15-257 453 577897 1-163 15-205 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-311 15-325 456 850062 1-334 15-348 457 506688 1-279 15-293 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-225 15-239 463 685493 1-225 15-239 464 577238 1-327 15-341	HCUAM57	450	574375	1-313	15 - 327	T91791, AW071109, AI087055, AA338281, AA225175, AA525157, AA973913, AI348567,
451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 513 453 577897 1 - 163 15 - 513 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 205 456 850062 1 - 311 15 - 325 457 506688 1 - 279 15 - 293 459 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 239				,		A13/0548, AC004000, AL121/69, AL049/59, AL021940, AC008115, AC003108, AC008119,
451 727174 1-243 15-257 452 574154 1-499 15-513 453 577897 1-163 15-177 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-311 15-325 457 506688 1-279 15-293 459 953869 1-484 15-498 460 920694 1-140 15-498 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-341		<u>.</u>				ACUUJ266, ACUUJU31, UYUUZY, ACUUY404, ACUU 1010, ACUUZ34Y, ALU1934Z, ALUJJU311, TI04730 ACUUT308 ACUU3101 ACUUT763 AT 024440 AT 13640A ACUUT3067 ACUUT306
451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 513 453 577897 1 - 163 15 - 177 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 205 456 850062 1 - 311 15 - 325 456 850062 1 - 334 15 - 348 457 506688 1 - 279 15 - 293 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341			,			AF130343, AL122020, D87675, AL034429, AC004616, AP000141, AC003037, AC005067,
451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 513 453 577897 1 - 163 15 - 513 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 205 456 850062 1 - 311 15 - 325 457 506688 1 - 279 15 - 293 459 953872 1 - 147 15 - 498 460 920694 1 - 140 15 - 498 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341				•		AC004890, AC002992, AC007253, AC002302, AC007240, Z82203, AC004685, AC004491,
451 727174 1 - 243 15 - 257 452 574154 1 - 499 15 - 513 453 577897 1 - 163 15 - 177 454 850140 1 - 191 15 - 205 455 924902 1 - 311 15 - 205 456 850062 1 - 314 15 - 326 457 506688 1 - 279 15 - 293 457 506688 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 234					,	AC004953, AC005391, AC004132, AC015853, and AC006211.
452 574154 1-499 15-513 453 577897 1-163 15-177 454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-334 15-348 457 506688 1-279 15-293 458 953872 1-147 15-161 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-239	HCUAM95	451	727174	1 - 243	15 - 257	AA613766, Z82901, and AL136520.
453 577897 1-163 15-177 454 850140 1-191 15-205 455 924902 1-311 15-325 456 850062 1-334 15-348 457 506688 1-279 15-293 458 953872 1-147 15-161 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-239	HCUAN44	452	574154	1 - 499	15 - 513	AP000500, Z97183,
454 850140 1-191 15-205 455 924902 1-311 15-205 456 850062 1-334 15-348 457 506688 1-279 15-293 459 953872 1-147 15-161 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-224 15-339 463 685493 1-225 15-239 464 577238 1-327 15-341	HCUAN49	453	577897	1 - 163	15 - 177	اہ ا
455 924902 1-311 15-325 456 850062 1-334 15-348 457 506688 1-279 15-293 458 953872 1-147 15-161 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-341	HCUAN72	454	850140	1 - 191	15 - 205	AL049709.
456 850062 1 - 334 15 - 348 457 506688 1 - 279 15 - 293 458 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUA003	455	924902	1-311	15 - 325	AA595705, AI886736, AA765409, AC005011, AF196971, AC006530, AC005520, AC006236,
456 850062. 1-334 15-348 457 506688 1-279 15-293 458 953872 1-147 15-161 459 953869 1-484 15-498 460 920694 1-140 15-154 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-341	-					and AB020875.
457 506688 1 - 279 15 - 293 458 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUA028	456	850062.	1 - 334	15 - 348	T94088.
458 953872 1 - 147 15 - 161 459 953869 1 - 484 15 - 498 460 920694 1 - 140 .15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUAQ92	457	889905	1 - 279	15 - 293	
459 953869 1-484 15-498 460 920694 1-140 .15-154 461 574193 1-294 15-308 462 934633 1-294 15-308 463 685493 1-225 15-239 464 577238 1-327 15-341	HCUAR07	458	953872	1 - 147	15 - 161	AW167136.
460 920694 1 - 140 .15 - 154 461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUAT07	459	953869	1 484	15 - 498	AL042660, AA633908, AI791151, AW339562, and AL021396.
461 574193 1 - 294 15 - 308 462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUAU02	460	920694	1 - 140	.15 - 154	
462 934633 1 - 294 15 - 308 463 685493 1 - 225 15 - 239 464 577238 1 - 327 15 - 341	HCUAU16	461	574193	1 - 294	15 - 308	
463 685493 1 - 225 15 - 239 - 464 577238 1 - 327 15 - 341	HCUAX57	462	934633	1 - 294	15 - 308	AI243475, AW183326, H22954, and F04138.
464 577238 1 - 327 15 -	HCUBB28	463	685493	1 - 225		AA569686.
	HCUBB46	464	577238	1 - 327	, , ,	

	AW404225,	58, AW247389, 565911	073, AA665532,	253, AI889995,	3, AA012829,	AA644223,	22, AI347665,)1852,	T52822,	AA584756,	L120976,	49, AA599080,	41240,	77908, C15504,	AW242031,	AC004655,	5, Z99716,	701, AC005562,	6, AL031680,	3, AC004966,	00134,	7, AC005488,	AC005261,	005726,	AC005233,	s, AC000025,	, AC006965,	109952,	05520,	3, AJ003147,	3, AC000160,	1, AC008113,	252 ABOOOSSE	L031657,
	0, AI198718, AI590404	15081, F35684, AW440. 4W440568, N67313, A	T74524, N84161, AA71	088631, N68449, AW23	321, AI962030, AA0189	I, AA749152, AA49630!	186, AW390284, AA630	5, T40629, AA297662, I	, AW084173, AI472736	1, AA309362, AI860535	AI955360, AA745383,	277373, AI278440, N70	445557, AA179659, AL	A878492, AA434078, N	3, AL079809, AA21863	3, AP000065, AL04957t	48, AC002288, AC0070	34480, AC006539, AL09	00, AC002302, AC0095	34, AC007676, AC00799	U91321, AP000212, AF	30, AP000248, AC0072.	78, AC007878, Z69733,	2005225, AB003151, A	AL121658, AC006480,	71, AL031767, AP0002	23, AL133485, AL0495t	U78027, AP000135, A	AL035409, Z97630, AC	57, AC006285, AL1216	00, AC004893, AC0042	20, AF11110/, ALUS12 AT 035422: AF124523	ALUJJ422, ALT24323, 0356 AC005337 AC00	5, L78810, AC003665,
	47, AW339422, AA47049	7, H54511, N41775, AI91 7, AI306717, AI309943	8236, AI824476, T94988,	, AI025930, C06004, AW	851, AA678616, AW0788	5814, T07225, AW019964	1992, AA468494, AA552	559, AA701131, AI417580	24, AW080118, AI648514	1, AW021007, AW08629	653, H07953, AA744048,	, H25938, AW328446, AI	5, AA862312, N54538, AI	AI445338, AW265279, A	97, AI049630, AA586433	23, AA744094, AA654038	5037, AL109984, AL0318	2, U62293, AC006449, Z8	1311, AC006211, AC0040	744, AP000689, AC00588	131, AP000209, Z83820,	519, AP000208, AP0001.	247, AL139054, AC0065	1, AC004098, Z85986, Au	6, AC004263, AL035249,	.597, AL031846, AC0050	938, AL049712, AL02232	5015, AC004448, Z84469,	2, AC004031, AC004662,	5791, AC006581, AP0005	800, ALU49033, ACU030	1839, AC002373, AC0043	105740 ACOOMADO ADOC	878, AL133448, AF17691
	AA381762, M78032, AA381747, AW339422, AA470490, AI198718, AI590404, AW404225	AL045108, H62550, AA297207, H54511, N41775, AI915081, F35684, AW440368, AW247389, R69819. AA856866. AA501807, AI306717, AI309943, AW440568. N67313, AA565911	AA678932, AW081610, AI538236, AI824476, T94988, T74524, N84161, AA714073, AA665532,	H12857, AI823705, AI925065, AI025930, C06004, AW088631, N68449, AW238253, AI889995,	AI271762, AA745351, AA513851, AA678616, AW078821, AI962030, AA018923, AA012829,	AW088656, AI653776, AA126814, T07225, AW019964, AA749152, AA496309, AA644223,	AW338860, AA581498, AI620992, AA468494, AA552586, AW390284, AA630122, AI347665,	AA846923, AI457389, AI568659, AA701131, AI417586, T40629, AA297662, H01852,	AW082104, R93919, AL041924, AW080118, AI648514, AW084173, AI472736, T52822,	AA579399, H40478, AI561241, AW021007, AW086291, AA309362, AI860535, AA584756,	AA331158, AI053934, AA601653, H07953, AA744048, AI955360, AA745383, AL120976,	F08866, AI053597, AI889579, H25938, AW328446, AI277373, AI278440, N70449, AA599080,	T54144, AA368359, AI598056, AA862312, N54538, AI445557, AA179659, AL041240,	AW265688, C06210, T40799, AI445338, AW265279, AA878492, AA434078, M77908, C15504,	AI278972, AI446336, AA189097, AI049630, AA586433, AL079809, AA218631, AW242031,	AW408767, T92394, AA339923, AA744094, AA654038, AP000065, AL049576, AC004655,	AL034418, AC002429, AC005037, AL109984, AL031848, AC002288, AC007055, Z99716,	AL049776, Z93017, AC004882, U62293, AC006449, Z84480, AC006539, AL096701, AC005562,	AC006238, AC005057, AL031311, AC006211, AC004000, AC002302, AC009516, AL031680,	AP000252, AF111168, AL135744, AP000689, AC005884, AC007676, AC007993, AC004966,	AC004644, AP000555, AP000131, AP000209, Z83820, U91321, AP000212, AP000134,	AC005871, AL109628, AC005519, AP000208, AP000130, AP000248, AC007227, AC005488,	AL049757, AC006101, AP000247, AL139054, AC006578, AC007878, Z69733, AC005261,	AL022721, U91323, AC004531, AC004098, Z85986, AC005225, AB003151, AC005726,	AF001552, AC003013, Z83826, AC004263, AL035249, AL121658, AC006480, AC005233,	AC004491, AC006121, AL031897, AL031846, AC005071, AL031767, AP000213, AC000025,	AL022165, AF146367, AC004938, AL049712, AL022323, AL133485, AL049569, AC006965,	AC004855, AC007376, AC005015, AC004448, Z84469, U78027, AP000135, AL109952,	AL031282, L35533, AP000552, AC004031, AC004662, AL035409, Z97630, AC005520,	AC005399, AC004876, AL096791, AC006581, AP000557, AC006285, AL121653, AJ003147,	ALUSUL43, ACUUL423, ACUU38UU, ALU49033, ACUU300U, ACUU4833, ACUU4233, ACUU910U,	ACUOSUSI, ACUU4123, ACUU4839, ACUU2373, ACUU432U, AFIIII01, ALU31291, ACUU3113, ACUU5180 ACUU5730 ACUU6515 AIN34408 784487 AIN35433 AE13453 ACUU4887	ACOUSTON, ACOUSTS, ACOUSTS, ALUZITSO, 2,84481, ALUSISEL, ALTESZS, ACOUTOR1, D82952 702341 ADAMAT HIGSAM ACMAAAO ADAMISE ACMASSIS ACMARS ADAMSEK	D03233, Z33241, AL000031, O33740, AC004403, AL003330, AC003332, AC003333, AL034049795, AF109907, AC004878, AL133448, AF176915, L78810, AC003665, AL031637,
15-113	15 - 421		•	ų.	2	4			•			•							*				-			-				·		-		
1-99	1 - 407		,	٠			,				•		•				•				,							•						
810522	574097		:					•											,			-										·		
465	466			,	-	13													,															
HCUBE26	HCUBE27						•	•															-											*

WO 01/57182		PCT/US01/01354
AL002163, AL021391, AC004522, AL109758, AC005412, AC004216, AP000008, AL035587, AC006120, AC006014, AL021978, AC0069511, AC004150, AL049829, AL031005, AC004019, AP000967, AF129756, AC005291, AC006958, AP0000704, AC003950, AP000688, AC002527, AC004999, U85195, AC004814, AF165926, AC006487, AC006077, AC004817, AC004858, AC003029, AC005295, AC007308, AL034420, AC002036, AC006026, AI246003, AL049631, AC005089, AC016025, AC005088, Z99496, AL022315, AL031781, AC003109, AC000052, AL022396, AC0065295, AC006588, AC006511, AL022318, AP000345, AC004983, AC005280, AL035071, AC006511, AL032318, AP000345, AC004963, AC005529, AL035071, AC006396, AC005913, U95742, Z98950, AL032320, AC004963, AC005899, AL050307, AC007066, AC007277, AC007533, AC002554, AL049872, AL031427, AP000697, AL035086, and AC002511	H93071, H50664, AW086257, AI754336, AA634786, AW021583, AI939442, AL138396, AW008317, T91187, T40617, AI307201, AI192631, AI804138, U91321, U52112, Z29373, AC005229, AP000337, AB012286, AL109801, AC004966, AC005089, AC004638, AC006449, AC006049, AP000215, AC002553, AC006582, AB023049, AP000961, AC006049, AC006312, AC00757, U76377, AC004485, AC006253, AP000513, AC009743, AC012599, AL022238, AC005081, AL049575, AC006257, AC006251, Z68870, AL021394, AC003012, AC004841, AL049776, AL049557, AC004099, AC006237, AC004914, AC005067, AL023575, AC004913, AL033518, AC00595, AP000079, AC005049, AL117340, AC005067, AL023575, AC004770, AL023807, AC005974, AC004974, AC005335, AL031665, AE000658, AC005337, AC004887, AC005790, AL049576, AC005519, AC005069, U85195, AC004257, AC005799, AC004820, AL031447, AP000554, AC005519, AC005780, AC0059571, AP000959, AL132987, AC005255, AL079295, AC004253, X87344, AC004890, AC000069,	AL049777, AL035683, and AL023576. AJ246003, and AL121658.
	15 - 390 15 - 191 15 - 220 15 - 135 15 - 389	15 - 113 15 - 352 15 - 547 15 - 129 15 - 158 15 - 402
	1-370 1-177 1-206 1-121 1-375	1-99 1-338 1-533 1-115 1-144 1-388
	574203 781681 537501 575720 862161	574199 881192 792415 685512 961748 574235
	468 469 470 471	472 473 474 475 · 476 477
,	HCUBE33 HCUBG83 HCUBH45 HCUBI13	HCUBI14 HCUBI38 HCUBI43 HCUBI49 HCUBI49 HCUBI74

		AI279417, AA558404, T05617, AI049955, AI568659, AI284536, AI251563, AA491423,	AA610255, AI792695, AW302832, AI024511, AI792856, AL040816, AA629759, AA078384,	AA635433, AW271095, AA381990, AL135377, AI948984, AI733946, AL039042, AL039041,	AA775205, AI948959, AI733930, AA652910, H45698, AA838192, AA101744, AI792842,	AI281622, AL043878, AI252190, T52745, AA557911, AA743968, AI815583, AW407632,	AI732807, AI252141, AW328202, AI816537, AI280574, AL121287, AW337805, AI358712,	AW275432, F01666, AI792746, AA847499, AI753672, AA642823, AW265155, AL048479,	AA326452, AA324088, AI282629, AI798313, AL042373, AI245693, AI129421, AA326330,	AA582746, AA683069, AW151018, AL118925, AA564925, AA303770, W24312, AL038977,	AA460924, AI049845, AA772873, AI798041, AA579399, AI114657, AA536040, AI249365,	AL096791, AC007025, Z82244, AC006312, AL049699, AC004185, Z97634, AC006026,	9, U80930, AC005670, AF157623, AL034402, Z98743,	AC005725, AC005365, AC004668, AF006752, AC005338, AL021366, AC004963, AL117344,	AC005072, AF024534, AC004031, AL050318, AC004254, AC005081, AL080317, Z97832,	AL035495, AC005751, AC008123, AC002316, AC005086, AC004099, AC006012, AC004799,	AP000109, AP000041, AL034549, AC000039, L47234, AL022238, AC007385, AC005952,	AC006441, AL050332, AL049650, AL135744, Z83838, Z83826, AC006965, AC011331,	AP000008, X62358, AL023807, AC002295, Z98747, AC002366, AF051976, AC004694,	AC007773, AP000153, AP000704, M89651, AC000082, AC005300, AL031737, AL008712,	Z97053, AL139054, AL031904, AC009294, AC008044, AC005587, Z99496, AC004531,	AC007130, AC005661, AC003037, AL024498, AL023879, AC004778, AC007566, L81612,	AC005037, D84394, AL022311, AF091512, AL132987, AC004663, AC006047, AL008582,	Z83843, AC005736, AC005164, AL096803, AC000088, AC005088, Z99570, AL109628,	AC000394, AP000509, AL008718, AC006236, AC000071, Z95118, AC004656, AF001552,	AC005546, AC005695, Z84484, Z99716, AP000504, AL022326, AC004961, AC004686,	AL080250, AP000347, AJ003147, Z95115, AC004013, AC006930, AJ010770, AL121754,	AC004881, AC009363, Y12853, AC004097, AC005005, AC004922, AL049758, AC002544,	AC005609, AC005666, AF130342, AC005753, AL117355, AC007565, AC005519, AL034420,	AL049776, AC002545, AC005015, AC004921, AF129756, AC005632, AD000864, AC004851,	AC005099, AC004750, AP000288, AC005280, AC005487, AL021578, AL031735, AC000353,	AL049631, AL022717, AC003107, AC006597, Z82194, AL079304, AC009784, AC007201,	U73643, AL031003, AL031387, AC003682, AL035461, AC007625, AC007899, AL024509,	AC005041, AC007536, AL035462, AC005681, AL035460, AL021398, Z49208, AC005003,	AC003012, U52111, AC020663, AC006946, AC005484, AC004583, AL109963, Z83844,	ALU31441, AFU01339, AJZ29043, AL009179, AL109798, AFU00301, ALU96737, ALU76638,
D61636.		AI279417, AA558404, T05617,	AA610255, AI792695, AW3028	AA635433, AW271095, AA381	AA775205, AI948959, AI73393	AI281622, AL043878, AI25219	AI732807, AI252141, AW32820	AW275432, F01666, AI792746,	AA326452, AA324088, AI2826	AA582746, AA683069, AW151	AA460924, AI049845, AA7728	AL096791, AC007025, Z82244,	AC007537, AC009247, AC0076	AC005725, AC005365, AC0046	AC005072, AF024534, AC0040	AL035495, AC005751, AC0081	AP000109, AP000041, AL0345	AC006441, AL050332, AL0496	AP000008, X62358, AL023807,	AC007773, AP000153, AP0007	Z97053, AL139054, AL031904,	AC007130, AC005661, AC0030	AC005037, D84394, AL022311,	Z83843, AC005736, AC005164,	AC000394, AP000509, AL0087	AC005546, AC005695, Z84484,	AL080250, AP000347, AJ00314	AC004881, AC009363, Y12853	AC005609, AC005666, AF1303	AL049776, AC002545, AC0050	AC005099, AC004750, AP0002	AL049631, AL022717, AC0031	U73643, AL031003, AL031387,	AC005041, AC007536, AL0354	AC003012, U52111, AC020663	ALU51441, AFUU155U, AJ227U4
15 - 328	15 - 326	15 - 423			•																															
1 - 314	1-312.	1 - 409	•										ı															•	•							
967484	574265	917257							•													٠										·				
478	479	480			-	-																														
HCUBJ11	HCUBJ42	HCUBK01										,								0																

						APANOTT APANOT1 4 TOTOGOT ACTION ACTION 120 ACTION 1200 ACTION AC
		٠.		•		AL049792, AC006088, AC005011, Z84496, AC005225, AL031728, AL022718, AL021391,
	-					AL080239, AC007221, AC004771, AL035587, Z97352, Z68873, AC006237, AJ236701, AC007546, and AF134726.
H	HCUBK36	481	850132	1 - 492	15 - 506	
H	HCUBK39	482	577234	1 - 491	15 - 505	
H	HCUBK46	483	574120	1 - 368	15 - 382	
田	HCUBK49	484	574122	1 - 365	15-379	AI200051, AA714595, AW086257, AW406755, AA317170, AA610438, AA342256, AL118947,
						F32705, AW408063, AW069807, AI358229, AI345518, AA526193, AL037291, AA663306,
						AI281881, AA557879, AA652057, AA649642, AA569468, T40617, AI499094, AA503168,
						AI963095, AL118911, AI049634, AA670126, AA743972, AA095511, T63597, N27353,
						AW088058, AA125788, AW265393, AW196798, AW023389, AW028429, AI150670, AW406447,
			•	•		AI281903, AL037945, AI061296, AI355206, AL041368, H58472, W07032, AW406659,
					٠.	AL138242, W07122, AL134703, F29989, AI365988, AL133862, AI865804, AA491814,
						AA747889, AW339687, AA516225, AI038990, AI635272, AA932099, AW302909, AW008317,
						AA228420, T59509, H86301, AI446474, AL042420, AA318652, AI912322, AW407340, H86264,
	Ŷ					AI708009, AL119123, AI352078, AA720746, AW316969, AI796627, AW439558, AL048925,
				·		AA640979, AL036523, AI633007, AA838479, AI679713, AI801482, AA947370, AA349854,
						AA838477, AA121919, AA878495, AA658235, AA804993, R44592, Z97198, AP000503,
						AF134726, AC005067, AP000275, AC004614, AP000037, AP000105, Z94721, Z84814,
 -			:		; :	AC007130, AC007690, Z32772, AL008721, AC020663, AL031662, AC000086, AP000701,
						AL022098, AC004841, AB020869, AP000017, AC005365, AC006001, L78810, AC007051,
						AC007919, AC000070, Z93016, AP000884, AC005754, AC004477, AP000962, AC002045,
				3.		AC005593, AC007395, AL096766, AC002349, AC004887, AC004891, U91325, AC004534,
						AL132712, AB003151, AP000688, AC004760, AP000159, AP000018, AC006111, AC004799,
						AC004820, AL031587, AL035450, AL096701, AC007240, AL080317, AC004991, AC005081,
			٠	,		AC004814, AC007024, Z73358, U91319, AC003009, AC003005, AL035535, AL109758,
	×					AC006064, AC005329, AC005887, AL034402, AC005880, Z95152, AC002365, AC010175,
					,	AC005829, AC007970, U73638, AC004996, AC005164, AC005701, AL021395, AL078639,
-						AC005376, AL022158, AP000349, AL109759, AF045555, U73645, AL121655, AC002072,
						Z86090, AL035604, AC005940, AL031769, AL049759, AF043105, AL049539, AC008372,
		·	1			AC008122, AC007001, AC004061, AP000557, Z98048, AC007444, AC004263, AC004755,
						U11309, AC006600, AL023802, Z74617, AC000125, AC007536, AC004650, AC005699,
			,		•	AC003688, AF129756, AP000517, AP000692, AL031132, AL021154, AC003963, AC006254,
·	-					AL023801, AF067846, AC007695, AL096774, AC004008, AL049633, AC012380, AL035420,
						AL031291, AC007535, AC007537, AL022329, AC006322, AL008731, AC005019, AF207550,
						ACCOCTOS, ALUZZOS, ACCOCOS, 236,43, AFCOCOS, AFCOCOS, ACCOCTOS, LSSSSO,

AL022323, AB001523, AC005520, AL078581, AC004675, AJ003147, AB023054, AC004186, AC007245, Z83826, U86136, AC003101, AL031447, AL009181, AC005666, AC005345, AL135783, AL049636, Z98051, AF088219, Z93241, AL034419, AC005778, AC005777, AL022578, AC007237, AC005264, AB011147, AL023284, AC009516, AC005280, AC004408, AC004232, AC002117, AL133382, AL049635, Z86061, Z97181, AC005751, AC007387, AL109613, AL031257, AF095725, AC005003, AC004913, Z93783, AC007243, AL03587, AC006039, AL021307, AC004188, AC007327, AC000387, Z99291, AC005157, AC009721, AC006039, AL049780, AC005274, AC007993, Z97352, AL034420, AJ005683, AC005064, AC004081, AL023582, AL117352, Z93020, AC009501, AC005785, AC004963, AL035810, Z69719, AC006467, AC008928, AL049591, AC002464, AC005785, AC004963, AL035410, Z68344, AC006079, AC0049722, and AL109827.			AL117328.	AA662395.		AW089099, and AC004227.		AC006388.	AL031683.		AI061235.	AW328178, AW328000, AA501777, AA503770, AA749428, AC004854, AC005536, AP000547, and AC004621.	AA342137, F19690, AA069872, T78945, AA347735, R68248, AI453160, AI564294, AA632765, AI471467, AA181917, W01359, AC004983, AC007225, D87675, AC004881, AP000090,	AF196969, AC004967, Z98941, AL031003, AF222685, AC005233, AC002126, AC006241,	AC007362, AE130246, AC007193, AL033086, U07303, AC004776, AC0007070, AL03970702, AF075007, AC005529, AL080286, AP000689, AP000688, AC000025, Z83846, AP000354	AB003151, AL109758, AC005695, AL034554, Z97053, L44140, AP001052, AC002477,	AC005962, AC004168, AL117337, AL021155, AC005226, AL031681, AL031255, U91321,	AL135105, ACU04228, and ALU35400.	AD35261, AB76712, AA004521, A1070010, F31790, F31799, F37225, AA510111, AA077304, AW166611, AW181457, AL038936, F31465, AA133650, AI357823, AA448858, AA658846,	AW408161, AI926366, AA482896, AL048544, AA133651, AW380074, AL079466, H21449, A1753078, H43075, A A482768, A1130071, C05038, A1860432, A1 110305, A1701050, AW167377
	15-212	15-311	15 - 346	15 - 193	15 - 345	15 - 186	15 - 149	15-319	15 - 147	15 - 361	15 - 283	15 - 341	15 - 309					16 446	12 - 443	
	1 - 198	1 - 297	1-332	1 - 179	1 - 331	1 - 172	1 - 135	1 - 305	1 - 133	1 - 347	1 - 269	1 - 327	1 - 295					1 421	1 - 451	
	739021	574201	577291	953879	577287	971421	664536	926656	526757	850016	575352	967074	522378					70000	007//6	• .
*	485	486	487	488	489	490	491	492	493	494	495	496	497					007	490	
	HCUBL12	HCUBL65	HCUBM86	HCUBN07	HCUBN21	HCUBN38	HCUBN66	HCUBO08	HCUBP69	HCUBP89	HCUBQ76	нсиво85	HCUBS58	-11				TYCHTOCTS	ncubs/2	

F				7		· · · · · · · · · · · · · · · · · · ·		7	, , ,		-
N27353, AA670108, AA338522, AA342901, AA576336, AA736963, AA347109, AA569206, AL037285, AI186233, AA354785, AI783494, AA342256, AP000555, AC015853, AF205588, AC004999, AL034423, AC003075, AC005031, AC005387, AC002036, Z99496, U80017, AC016027, AC016830, AC005920, AF134726, AC008984, AL078581, AC012085, AC005253, AC005519, Z98051, AC005385, AC004895, AC005828, AC003002, AC006139, AL121652, AC000025, AL021917, AL035397, AC004686, AB026898, AC006449, Z85986, AP000350	AP000514, AC002316, AL031295, AC006121, AC007533, AC006372, AC004655, AC007387, AL021453, AL109967, AL133304, AC007637, AC006430, AC001066, L81893, AL078472, AC007096, AC006077, Z83826, AC005011, AL049829, AC007151, AP000245, AC016831, AC004254, AC005237, Z99570, AL031662, AC004132, AL035587, AC005488, AC007666, AC007285, AC002037, AC003973, AC007707, AL008730, AC005081, AC007023, AC000105.	I59642, AF106918, AC004779, AC005346, AC004791, AP000255, AL035424, AP000129, AP000207, AP000213, AC004996, AP000135, Z98044, AL009179, AL035684, AP000031, AL121877, AC004019, AC007221, AC005772, AC005657, AC004970, AC006285, AL021579, AL03230, AL03256, AC006562, AC00662, AC006562, AC0	ALU22329, ALU25636, AC003839, AC003562, AC004583, AC003665, AC006432, 293017, Z94161, AC006255, AC007455, AC004595, AL021578, AL133163, AC000353, U52111, AC007688, AC005280, U95742, AL023279, AC005954, AC005520, AC005018, AL031864, AC007216, AC007685, AC007245, K03555, AP000008, AB000882, AL031311, AC002045, AP000962, AC004933, AC009399, and AL008719.		AI189587, AA705559, H47182, H47091, and AF147424. AW026750, AA579906, and AL035090.	AW084004, AA364082, AA351808, AW089950, AA533660, AC005920, AF196969, AC005031, AC000025, Z83844, AC008101, AF047825, U80017, AC005520, AC004805, AC004851, AC006276, AL022238, AL050140, AC005695, AC005971, AL049869, AC006511, AC005214, Z75891, Z82180, AC005231, AL049780, AB029020, AF196779, AL139054, AC004263, AC005696, AC002319, AC007421, AC004796, AF053356, U95742, AF117829, AC005088, AC002477, AL050350, AC005015, AC005702, Z95114, AL117337, AC005409, AC004084,	AC007216, AF001548, AC006443, AC004797, I34294, AL133448, AC004910, AL035461, AL034423, AL121825, AC002350, AL133245, Z94160, AC005519, AP000514, AC002301, AC002316, AC006139, AC005011, AC002430, AC003950, and AC004381.			AI341867, and AA608765.	
				15 - 320	15 - 542	15 - 360		15 - 343	15 - 261	15-311	15 - 307
				1-306	1 - 528	1 - 346	•	1 - 329	1 - 247	1 - 297	1 - 293
				920682	574239 615547	506518		529702	694720	574096	506585
- (-)				499	500	505		503	504	505	906
				HCUBT02	HCUBV04	HCUBX57		HCUBZ57	HCUBZ86	HCUBZ88	HCUBZ96

HCUCR20 50 HCUCC20 50	507	574189 573901	1-415	15 - 429	AL031295, AC002316, and AC005696. AA988600, AA515224, AI282479, F13749, AI870444, AA747472, AW167909, AW438643, AA988600, AA515224, AI282479, F13749, AI870444, AA747472, AW167909, AW438643, W21218, AW090629, AI962050, AW023975, AL135643, AA659083, AW419262, AI751162, AW162288, AI917271, AI307201, AI431303, AI688846, AI284640, AI471481, AA657741, AW029038, AI96793, AI345654, F36273, AW166815, AW193265, AA527954, AI350211, AL041854, AI904894, AL138421, AW193432, AI918421, AI653886, AC004491, AC002449, AC006312, AL008715, AF165926, AC006960, AC005412, AI34471, AC004491, AC002449, AC009225, AL031670, AC008009, AC004985, AC005874, AF134471, AC004497, AC006520, AL109801, AC005696, AC005695, AL03568, AF003626, AL03587, AC006992, AC007676, AL034376, AC005696, AC005695, AL035813, Z82097, AL031584, AC004972, U62292, AP000346, U82671, AL096791, AI251973, AC005034, AC004685, AC004685, AC006543, AC004837, AC004685, AC0040837, AC0040837, AC0040837, AC0040837, AC0040837, AC0040837, AC0040837, AC0040103, AE000662, AP000553, Z83844, AC0049837, Z84477, AC003047, AC006571, M94081, AL008729, AL033527, AC006544, AF045555,
HCUCC78 509		577129 796530	1-291 1-299	15 - 305	AC005394, AC005255, AC002591, AP000289, AL080276, AL096611, AL021391, AP000501, AC005041, AC005412, AC00552, AP000042, AP000504, AP000110, AC005611, AC00566, AC00584, AF155238, AC005037, Z97056, AR036572, U91328, AC002316, Z94160, AL121603, AL117351, AL079295, AL078471, AC004655, AC005048, AC005632, AC007536, AL049761, Z99570, AL008583, AL022237, AC007731, AF129756, AP000339, AP000518, AC005500, S42659, AC006480, AC007151, Z95113, AC002543, AC004470, AB026899, AP000217, AC005504, AC005702, Z70288, AC005514, AL132987, AC004678, AL022334, U02054, AC005664, AC002289, AC004841, AC005619, AC004126, AC008064, AC007993, AF037338, AC006538, Z97183, Z85986, AL035403, AC00751, AC007553, AL022476, AC005015, AL009031, AC006538, Z97183, Z85986, AL035403, AC007051, AC007546, AC004500, AL109758, AL031681, AC004883, Z69890, AL096701, AL049830, AC005031, AC004933, AL049830, AC004447, AP000269, S70707, Z84466, AC002365, AL031735, AC004000, AC004760, AC004447, AP000500, AL020997, AL109963, AC006276, AC006064, AL034384, AL049540, AL022318. AL022318. AL022318. AL022318. AL022318. AL022318. AL032318. AL032318. AL032318. AL032318. AL032318. AL032318.

AB020868.	R22017, AC004787, and AF165926.		D60319, D60589, D60408, D61144, D60853, AF119569, AF091501, and AF087651.	AC007032.						AA936845, N73060, N73203, R14903, AA988600, AA595504, M78131, AA774006, W68328,	H15294, AI049504, AA364863, AW131417, AA077619, AA477517, H53101, AA665304,	AA457230, N57709, AL037006, R38509, H58786, AI791561, AA173334, AA525407, H10454,	R48980, AA636102, AI479068, AA225548, AA321595, N22153, AW192518, R82835,	AW073498, H09639, AI929410, AI753672, AW019964, AI750950, AA693806, AA629412,	AA479337, AI273675, AA296958, C14599, AI268564, AA706094, AA831801, C14880,	AI138918, AA741020, AI367222, AA832016, AI371804, AI860535, AW276933, H63220,	AW103407, R83708, AC009399, AP000128, AP000206, AP000245, AC005529, AL008715,	AL034420, AC000025, AC005527, AC009247, AC004531, AC002407, AP000688, AC011331,	AC002990, AC004466, AL008718, AC004540, AL031803, AC002381, AC006077, AC005351,	AC005901, AC005822, Y11107, AC000086, AL133275, AC004910, AC006042, AC007919,	AC006417, AF006487, AC004383, Z99716, AF111168, AL035587, AC005972, AL031577,	AC006275, AC002301, AC002351, Z97054, AC007055, AC007537, AC002120, AC005291,	AL031428, AF027974, AC000353, AL034419, Z95331, U72845, AC004955, AL031255,	AC005088, AC004587, AC002563, AL133448, Z85986, AC005209, AL109963, AC007263,	AC005480, AC007540, AP000116, AC005231, AC006388, AC000066, AC004000, AC005049,	AC004851, AL035415, AC002073, AF134726, AC009509, AC005585, AL021154, AL118516,	AC007227, AC007201, AC005071, AL096775, AC005740, AC005921, AP000555, AC004983,	AL121915, AL049766, AC004139, AL049830, AC007226, AC004908, Z98752, AC007536,	AC007559, AC004036, AC005037, AC005578, AF092925, AC006059, AC005486, Z98941,	AC007028, AJ010770, AC005064, AL078581, AC008249, AC007214, AC002072, Z82178,	AC005796, AL109952, AL009181, AC005971, AC010168, AL033527, AC004054, AL049699,	AD000812, U91324, AP000252, AL024498, AC003962, AF141308, AC006449, AL034418,	AC008044, AL021578, AC005722, Z84474, AC005521, AC005479, AL033524, U91318,	AL031685, AC004694, AC007899, AC004125, AC005399, AL121825, Z74739, AC006344,	AC005005, AL035422, AL133249, AL023581, AC006071, AC004019, AC005821, AC000026,	ACUU6538, ALUSUS18, ACUU6565, ACUU4817, U95/40, AFUU0212, AFUU0154, AL1U9984,
15 - 240	15 - 343	15 - 477	15-217	15 - 79	15 - 545	15 - 259	15 - 324	15 - 264	15 - 358	15-337							,																			
1 - 226	1 - 329	1 - 463	1 - 203	1-65	1 - 531	1 - 245	1 - 310	1 - 250	1 - 344	1 - 323																										
574098	780047	671210	715488	967501	959910	720905	574121	694398	862089	578712														•												
511	512	513	514	515	919	517	818	615	520	521						ā															_	-0				
HCUCD26	HCUCD82	HCUCG21	HCUCI43	HCUCJ90	HCUCT08	HCUCT48	HCUCV13	HCUCV20	HCUDA38	HCUDB13																								*		

	Ć ~;									^											~	`									
	U63721, AC003036, U69639, AC005520, AP000692, AL049869, AC004904, AC003670, L78810, AL139054, AC009721, AC005082, AC004017, AC004797, AC004084, AC004491, L13712, U93305, Z68281, AC005778, D84394, AL133353, AC004678, AL049829, AC005600, AC007542, AC006226, and U85195.	AC007324, AC008079, AC008101, and AC016830.		AI184562, AW248599, AW051528, AA447350, AI740715, AW316672, AW316654, AI952004,	AA977191, AW363318, AA703205, AA149973, AA135413, AI799559, AA459866, AI023370,	AW264927, AW264916, N93625, AW297503, AI192819, W68805, AA402761, N53321,	AI207204, AI809102, AA804623, AW057780, W68607, H80704, AA398493, H80394, H14357,	ALSO1914, H31902, ALO13130, AA3UU017, AL0033113, 133100, H0494, AA333001, AA104934, AA313001, AA104934, L160164 H26164 AL04344, AA31364 AL04344, AA3144 AL04444, AA3144 AL04444, AA3144 AL04444, AA3144 AL04444, AA3144 AL04444, AA3144 AL04444, AA3144 AL04444, AA31444 AL04444, AA31444 AL04444 AL04444 AA3144 AL04444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3444 AA3	1100104, 1100103, A1007725, A1073022, A1273214, A1332390, A1332390, 100703, 1440174, A1202093, A1342079, AA903178, AL037469, D61862, H81412, AA460510, W25416, R92092.	T24613, AA280237, AI493508, N74148, AA281536, AI525850, C20784, AW438613, AA923003,	AI094325, and AB002330.	AI349874, T39598, AA581903, AA630352, AI890928, AW023511, AI890570, AI859251,	AA484148, AA702023, AA309460, AI334435, AW074398, AI561335, AI110770, AA226364,	AW193546, AA342901, AL120502, AI266576, AI536555, AA715270, AI679706, AI612152,	AI679132, AI287651, AL079683, AI446464, T63104, AI252114, AA177061, AW270270,	AI792903, AA916039, AW162489, AI734002, AI358343, AI148277, AI279165, AW074207,	AW338086, AI061227, AA523688, AL120687, AA587256, H60143, AI064864, AI252085,	AA451612, AL138265, AW3038/6, AA348311, N66//6, W4/480, N6443/, K44592, AI/92864,	AI733957, AL119984, A1053672, A14481, AA744110, AA441788, A1334443, AL040130,	AAS9421S, AASS346S, AA491814, AA48136S, AA6S20S7, AA481S7S, AA649642, A1/42//1,	AW341897 F19156 F36773 AI830390 AI 041382 AI784640 AA483034 AI613261 AA125788	AW327360, AL040547, AI493634, AW172727, AW265009, AL137954, AA515938, AA578141,	F03097, H92005, W45336, F35113, AI110760, AL119691, AA559290, AL049831, AL049697,	AB020871, AP000193, AL109981, AL023281, AC005565, AP000117, AC004983, AC004021,	AC006126, AL031293, AC005274, AL023575, AC004019, AP000049, AC004475, AC005089,	AP000311, AC004067, AC007065, AL080243, AC005158, AC005837, Z83826, AC007666,	AL096701, AC005412, AL096829, AC006277, AC005086, AB020870, AC002564, AB020859,	ACU04941, ACU04616, AL049869, AL049/57, ACU02287, ACU05483, AP000334, ACU02522,	ACU00095, AP0001/3, AC002429, Z81369, AC000052, AL031430, AC005104, AL035684,	AC035249, Z68871, AL078472, AP000018, AP000160, AC004924, AC005159, AC009227,	AC006482, AC005231, AC004813, AF047825, AL023807, AC006387, AC007934, AC005793,
		15 - 393	15 - 168	15 - 1810						•		15 - 277				-				•					: .	-	,				
*		1 - 379	1 - 154	1 - 1796	•			,	-		•	1 - 263							•												
		576566	576577	902656								850103			•		,							3-	•	-					
		522	523	524								525								_				,		_					
		HCUDC45	HCUDIC79	HCUDD19					,	÷		HCUDD43					•		·				. 1.	, .					•		

AL099795, AC006137, AL021707, AL031983, M86181, AC007312, AL022722, AL121603, AL096768, U95743, AC002472, AC004987, AC000021, AC002428, AC006079, AC004050, AC004241, AL049575, AL021154, AL031255, X06123, AL022238, AC006556, AC006273, AC00555, AF020503, AP000555, AC004559, AC005899, AC003003, AJ239321, AC006205, AC005324, AP000967, M26434, AL136504, AF164343, AC005330, AC004534, AL079340, AC002519, AL021918, AC004817, AC004417, AL031296, AC007242, AL031266, AL049830, U89335, AP000692, AL031769, AC004851, AC004765, AC007463, AL031686, AL050318, AP000043, AF109907, AL133396, AC004851, AC007463, AC002492, AC006071, AC005512, AL136018, AP0000338, Z94721, AC006315, AC005822, AF111168, AF165175, AL034420, AL110502, U66061, AL031662, AC004695, AC007564, AP000264, AC002470, AC002470, AC00566, AC007564, AP000214, Z82216, AC004893, AC005838, Z93024, AC007076, U95742, AC007564, AP002070, AC005593, AC004893, AC008388, AC005694, AP000065, AP000115, AC006070, U58047, AC005994, AC004893, L24094, AL132641, AC018633, and AL022163.	R91783, AW449624, AI792255, AA632429, AA632442, and AA573692.	AA551398, AI690497, AL031577, AC005971, AF109907, AC007546, AC007386, AC006077, AC007773, AL031666, AL049843, AP000208, AP000130, U91321, AF196779, AC002300, AC007880, and AL034417.	AW139719, AI911432, AI288208, H39195, R42796, AI093947, H40911, H23589, H46892, R42704, H40952, H46310, H52787, H52820, H41504, AW075323, and AW071240.		R02571, A1032037, AA679303, AA642557, AA345400, AA551532, N53352, N58999, AA985662, F18098, AA007330, AA767276, AA703457, AL046094, N64205, AI479093, AL009174, AC006238, AC004662, AC006530, AC004491, AC005781, AC005740, AL049780, AC006597, AL049911, AC005876, AL109628, Y14768, AC004408, AP000505, AL030996, AC004003, AC005874, AF134471, AC002351, AC002375, AC004933, AF117829, AC004648, AL135959, AC000105, AL078611, AC002312, AC004232, AF129756, AL117344, AL031577, AC002302, AF001549, AC002301, Z99774, AL031733, Z15025, Z98036, AC005105, AL049759, AC006961, AC005899, AC004821, U91322, Z79997, AP000338, AC004125, AP000216, AI003147, AC003103, AC004000, AL078418, AC005500, AC002314, Z97200, AF126403, AC008372, AC004990, AL078460, AL109758, AL035088, AC007276, AL022330, AC002378, AC007227, and AL035089.
	15-387	15 - 338	15 - 803	15 - 450	15 - 309
	1 - 373	1 - 324	1 - 789	1 - 436	١ - 295 - ١
	734883		861150	676949	577224
	526	528	529	530	531
	HCUDDS7	HCUDE38	HCUDE47	HCUDF26	HCUDF33

				<u> </u>																													_			٦
AA74777, H71827, AA378822, AA378821, AA573020, AA810269, AA503154, AA451612,	AA095511, AA837058, AA644538, AA533725, AA985455, H81785, T29180, T52733, AA593247,	FUUZYU, 1330U', F312U4, AA4Y37U8, K31Y48, 10Y433, AA170711, INZZ4Z4, AA601Y3Y, A 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AROUTOU, AMILIETTO, AMIOUTOT, AMUDUTOU, ALTHUTUT, AMTUUTOT, AMTUUT	A1307366, AA172073, A1734200, A1336223, AA3350001, AA143510, AA336474, AA716347, AA3576177, AA3667 AA378687 AA503473 AA908349 A1635777 AA401072 T51107	(A1400000 T77401 A1200044 A1600074 A1600074) A160014 A113273 A1778007	A149958, 172001, A1505/06, A1220871, A124038, AA039134, AL15372, A17, A17, A17, A17, A17, A17, A17, A17	AI/44188, 155213, AA640034, F3/286, AA65/918, AI82/234, AA494163, AA365694,	AA805230, AA218645, AA911519, AA169194, H12334, R77608, AA669840, AA371533,	C19058, W38648, T06647, R81240, R64515, AA515128, A1064864, AW338086, H71429, R45369,	A4098922, H53522, AA533450, F34795, AA121333, AA364429, AA176114, N54934, AC004605,	AC004964, AC012599, AC003684, AC005696, AC007845, AC016025, AC005069, AF117829,	AC005736, AB003151, AP000688, AC006277, AL078477, AP000689, AC004858, AF109907,	AF069291, AR000118, AJ229042, AC016027, AC007751, AC016830, AC020663, AL031577,	AL135744, AJ239322, Z86061, AC016026, AC004854, U96629, AC004675, AP000556,	AP000557, AP000552, AJ246003, AL031668, AF038458, AL133245, AC005740, AC006374,	AL009174, AF131217, AF001549, AF088219, AC004216, AC005839, AL008582, AL023575,	AL121658, AC002349, AL031905, AL132718, AF010317, AP000114, AP000046, AC005409,	AC004019, AP000473, AF124523, Z68322, U95743, AL022726, AL121603, AC005031, U95742,	AC018633, AC002133, AL020997, AC008372, AC005730, AC004765, AL035587, AJ238481,	AC007510, AC005412, AB020858, AC005191, AC005775, AC007324, AC006597, X69953,	AC006001, AB023049, AC005373, AL117330, U80017, AC005399, AC004596, AC006251,	AL034420, AP000432, AC007773, AL022394, AC006273, AC005242, AC003030, AP000356,	AC005666, AC002316, U82696, AC000353, AC006958, AF165176, AF064863, AL034379,	AC006130, AP000705, AC000379, AL023879, AC000052, AC001164, AC006285, U91326,	AC005772, AC004184, AC006525, AB020867, AF064861, D15054, AC007050, AC005728,	AC005280, AF139813, U73634, AC006465, AC006312, AL022323, AC004139, AL035089,	AC004770, AC004186, AL109799, AC004228, AC002070, AC002312, AC007314, AL031770,	AC003681, AÇ004859, AC002051, AC002310, AL080243, AL031283, AC004894, AC005231,	AC007666, AL031255, AJ011930, AL022320, AC007686, AC008018, AR036572, U91328,	AL031281, D14034, AC005837, AC008033, AC006948, AL021808, AC002544, AL049760,	AL032821, Z84466, AC005841, AL109654, AL049757, AC004492, AC006441, AC005067,	U07562, AC006208, AC009516, U63312, AL049776, AL049832, AL133448, AF002993, D87675,	U47924, Z83840, Z98950, AP000502, AC005379, AL035668, AC006430, AJ003147, AL022328,	AC004975, AC006121, Z84477, AC002369, AC004531, AC007099, Z83820, AL031670,	AL035460, Z83844, AC004470, AC005082, AC005261, AC004671, Z85986, AC005913,	ACUOIZZI, ALUSSIZI, ALUIOUUS, ACUUZUUU, ACUUZZUU, ALUSSIZUU, AL VUUSZI, ACUUZUUZ,
15-473							-																								9				,	
1 - 459																								•												
958449																							-													
532			1													4																,				
HCUDF90														•																						

AC005104, AF035397, AL049696, AC004878, AC005157, AP000460, AC006449, AC005529, AC004386, AL021937, AC005901, AC006042, AL096712, AF003627, AB023054, and AL035458	15 - 406 AB022698, AJ007628, and AB022699.			7	15 - 390 AI003172, W60516, AI051551, AA557325, AA299087, AI149915, T79003, AL041368, AI857261,	AA365347, H51054, AA313078, A1499094, AA350859, H64560, A1205126, AA443390,	AW276827, AW088616, AI879000, AI350211, AI032878, AW069807, AI719080, AL041412,	AA364567, AI469878, AA327572, AW265214, AW193432, AA329192, AA551509, AA381666,	A1653515, A1915075, AW277102, A1679639, A1341664, A1193007, AL046696, A1061334,	AI204076, AW339568, AI471481, AI359285, AW078495, W04302, AI653434, AL046409,	AA365587, AI289067, AA584749, AA340960, AA580662, AW303876, W25284, AI305766,	A1686431, A1124660, A1761471, A1421213, AW023672, A1762575, A1678392, R23777.	A1914706, H13868, AA847216, A1719644, AA377730, AW074398, A1284640, A1538399,	AW193265, AA659083, F31204, AA344959, AA229785, AW264973, A1110770, A1610159.	AA593060, AI282907, AA641989, AA507990, AW057699, AI536625, AI284467, AI688846,	F28576, AI806850, AA973575, AI569086, AA515128, AI634384, AA071182, AI038279,	AW337985, AW419262, AI815000, AI079910, AA679810, F36273, AW261871, AI889781,	AI431303, AW130799, AI653886, AI445436, AI890052, AA457639, AI742771, AI814735,	A1963786, A1613280, A1963720, AL079645, A1474713, AW338869, A1923140, A1133235	AL138421, AL042856, T10218, AI547286, W28786, AF150222, H64777, T34066, AL047643,	AA460367, AW157326, AA128576, AA515435, AA339432, AA359958, AI049634, AW175641,	F19258, AI124779, T80500, AA579140, AC004495, AC007151, AL109799, AC004041,	AL008634, AC005225, AC006396, AL031770, AC005701, AC005589, AL078580, AL080278,	AC004655, AC000075, AC005164, AC005664, AC000097, AC006547, Z94721, Z94056,	AP000459, AC008080, AL132642, AC008039, AL031287, AC003086, AC009288, Z95113	AC004100, AC004861, AC007252, AL078584; AC005193, AC007536, AC004985, AC006559,	AL050305, AL050097, AL022327, AL035252, AC007501, AJ003147, AC006143, AC002364,	L81648, AC004220, AL031012, AP001038, AL021937, L13713, AF015171, AL049565,	AL049871, AC005881, L13714, U85195, AC004900, AL049589, AL137191, AC005486,	A(00/032 A(006323 176568 1134879 793023 A(004875 A(004953 A(006050 A(007050	INCOMEST, INCOMEST, BIOLOG, COTOLS, ESCULES, INCOMEST	AE000658, U63312, AC005217, AC004097, Z93241, AL033521, AL034350, AL035461, AC007040, Z83900, AD00468, AL109802, AL109802, AL109802, AL10348, AL104040, Z83900, AL104040, AL1040
	- 392 15				-376 15				•													-										
	717894 1			- -	462283 1		-						. 1.				-			•					_				.,		_	
	533	534			537																											
	нсирн64	HCUDH84	HCUDJ91	HCUDL94	HCUDM23								-					_														

AC003964, Z83827, AL034548, AL031680, AC009223, AL132992, AB017652, Z97053, AL033392, Z69666, Z84479, AC005781, AC004645, AL109801, AC003002, AC007038, Z98744, AC005911, AL031390, Z81369, AP000477, AL035400, AL079295, AC020663, AC007551, AL133371, AC007656, AC006111, AC005390, AF095901, AC005923, AC004946, AC005002, AL031295, AF064865, AC005046, AC004222, U52111, AC006953, AL133353, AC006125, AC004789, AL080242, AF045555, AC005057, AC002119, AC005064, AL031848, AL132708, AC009247, AL021918, AL021368, AL109758, AC004010, AC004859, L13709, L13706, L13707, Z99495, AC007917, U18391, U57009, AF140763, Z98883, AC002306, AC004755, AC004403, AC000127, AC004990, AC006124, AL096761, AL023799, AB020871, AL022143, AC006006, AC005552, U67230, AC006124, AL096761, AL023799, AB020871, AL022143, AC006409, AC005355, AC004195, AC004046, AL031223, L47234, Z84718, AC006210, AF091512, AL078462, AJ239318, AC004045, AP000855, AL035643, AC004662, AL121825, AL049709, AC004027, AL035653, AL031666, AC007030, AP000351, AC004662, AL121825, AL049709, AC004027, AL035653, AC002980, AC004051, AL099181, AC006382, AC005822, AC005245, AF196779, AL121823, AF165124, AL031054, AC007364, Z95114, AL0802399, and AC005084.		AI090115, AI168683, H99504, AI147670, AA232645, N73285, AA374707, AA380875, AW139567, AA886361, AI735132, and AI679526.	AL021368.		AC005755, AC005372, AL049780, and AC005081.	AA278441, AI263438, AI870837, AI886871, AW450567, M78087, AA887815, AI700532, W94450, R96854, and R98160.	AI538514.	A1970020.	U77321, U90095, AC002403, and AJ006345.	AW057640, AA410949, and AI394291.	AF039235, AI669256, AW245958, AI763048, AW245514, AW237088, AI093187, AI571378, AW296090, AI354976, AI680102, AW119180, AI140327, AA934553, AI201269, AA559846, AI991982, AA625161, AI203368, AA040597, AW268813, AW152391, AI243335, AI185996, AA315994, D80898, AI887841, AI902903, AA497000, AI312767, AA373939, AA358918, AA634307, U25751, AI916936, AI700879, AA918570, AA362530, AI671153, AI927665, AI738973, AW087508, AI810550, AA359868, AW196382, AI867799, AA738423, D80899, AA954586, C01220, AA489585, F31194, AA361102, AI698559, D20015, W81431, AA928147, AI432152, T27188, AA040679, T19862, and T27189.
	15 - 381	15 - 470	15-414	15 - 359	15 - 458	15 - 441	15 - 351	15 - 332	15 - 404	15 - 334	15 - 1859
	1 - 367	1 - 456	1 - 400	1 - 345	1 - 444	1 - 427	1 - 337	1 - 318	1 - 390	1 - 320	1 - 1845
	506522	101058	611798	578721	783051	725155	578720	839959	578705	747131	915742
	538	539	540	541	542	543	544	545	546	547	548
	HCUDM66	HCUDN09	HCUDN14	HCUDP19	HCUDP23	HCUDP27	HCUDP82	нспрое1	HCUDS61	HCUDT62	HCUDT65

	Z84480, and AC005011.		77.		29.	AI826761, AI355007, AI085719, AW338042, AI149478, AA650365, AI733856, AI742168,	AA455483, AA297666, AA226153, AA481887, AI310343, AA410788, AL135108, AI216151,	AW316969, AA744018, AI061313, AW156980, AW270771, AI829331, AL045077, AA555229,	AA651632, AI053978, AL037910, AI620415, AA679625, AA228778, AA021429, AA737309,	AA503468, AI244127, AC003037, AL049776, AC005399, AL022316, AC007388, AC005015,	AC005529, AC005274, AC004067, AC004967, AL132777, U63721, L78833, AC007308,	AL050318, AL021154, AL022323, Z82206, AL031767, AL031589, AC005280, AP000210,	AP000132, AC005231, AC006312, AC016027, AC016830, Z93017, AC005081, AL049869,	AF111168, AC000159, AC005409, AC005913, AC007011, AC004755, AC004156, AC002310,	AC005291, U62292, AL109628, AC008498, AL035417, AF196779, AC005340, AC009247,	AL021808, AC005953, AC005043, AP000557, AC003043, AL133448, AL049692, AC003101,	AD001502, AC004491, AL022318, AC005074, AL049539, AL096703, AC005971, Z98742,	AP000098, AC006211, Z97056, AL021707, AC002302, AC007227, AC003007, AC005519,	AC005722, AP000114, AC005821, AC004686, AC020663, AL117352, AP000502, AL109952,	AC005800, AC004890, AC005881, AC007536, AC005632, AC005209, AL078477, Z93244,	AL020995, U91323, AC005330, AL035420, AC003665, AC004000, U91326, AC004983,	AC005412, AC004383, AC002544, AC005940, AL022476, AF134726, AC002375, AC009509,	AL121652, AL096791, AL031846, AL035400, AP000556, AC004876, AC009516, AC005200,	U52112, AP000514, AL049843, AL035587, AL121748, AC010170, AC004805, Z99128,	AC004738, Z84469, AP000356, AC002316, AC009044, AC006023, AC007637, AC004526,	AC007371, AC005943, Z83840, AF001549, Z85987, AC005921, AC004910, AC005484, Z85986,	AC007999, AL008719, AP000553, AC006077, Z95152, AC004832, AC003663, AC002470,	AC005089, AC002404, AC006121, AC007114, AC005261, AC004913, AC007664, AC005158,	AL035422, AC002425, Z93023, AC004841, AL031657, AP000510, Z83844, AL034548,	AF124523, AL133245, AL022165, AL049830, AC010205, AC000029, AC006509, AC002045,	AL035419, AL031774, AC004785, AC002996, U52111, AC005740, AC009288, AC008018,	AL049832, AL031295, AC004638, AL133163, AC005962, AC006449, Z84480, AC002070,	AC004084, AC005069, AC004874, AC004771, U85195, U78027, AL096755, AL049829,	AC005837, AC005300, Z99716, AC005520, AL133246, AC005049, AL020993, Z82244,	AC006581, AL133244, AE000658, Z83820, AC004815, AC004099, AL109984, AC002550,	AC006511, AC006271, AC003982, Z97876, AC005523, AC004583, AC006265, AC005088.
	Z84480,		AC002477.		AL031729	AI82676	AA4554	AW3169	AA6516	AA5034	AC0055	AL0503	AP0001	AF1111	AC0052	AL0218	AD0015	AP0000	AC0057	AC0058	AL0209	AC0054	AL1216	U52112,	AC0047	AC0073	AC0079	AC0050	AL0354;	AF1245;	AL0354	AL0498	AC0040	AC0058	AC0065	AC0065
15 - 909	15 - 260	15-51	15 - 321	15 - 309	15-317	15 - 368																							,							
1 - 895	1 - 246	1 - 37	1 - 307	1 - 295	1 - 303	1 - 354									_								-	,	_		_			_	v.				_	
859268	576240	951165	571370	678365	579029	745183																										,				
549	550	551	552	553	554	555											*		 -							-		9								
HCUDW37	HCUDW74	HCUDX05	HCUDX14	HCUDZ25	HCUEA58	HCUEA63						q					,		-													4				
																1	58	8			•															

					AC004896, AC005220, AC006960, AP000248, Z84466, AC004895, AC000353, AC005544, and
-					AL031291.
HCUEA72	. 956	713040	1-311	15 - 325	AW084919, H67179, T58440, AI708182, AI141130, AA586433, H52397, AI865087, R56848,
					AI566425, AW270183, AA721523, AA721530, AI962094, H61871, AA610433, AA292003,
					T89901, AA746911, AA374797, AW419389, H61942, AI697242, AW407340, W02189,
					AA069631, AA568314, AA809635, AA224917, AI697239, R69937, AI266359, AI749335,
					H71678, AI066711, AA666046, AI686470, H73306, T97896, H07953, AI583468, AI538214,
					AA071151, AL079666, AI697235, AA214042, AW074613, AA084076, AA468486, N70449,
,		-			H13612, H01327, AA329565, AA032001, AA715955, AA5255253, AA706495, T55992,
			÷		AA601216, AA054085, AW152178, T81513, AL133749, H81267, AI858889, AI251576, W37651,
					AA747234, AA572784, AA513884, AI306232, AI583466, N52410, AA613754, AA249239,
			-		AC004859, AC005335, AC005332, AL096701, AL022069, AC006064, AL096773, AC004686,
					AC005291, AF001550, AC005005, AL121603, AC007773, AC004999, AC007637, AL109758,
					AC002544, AL021391, AC016027, AL133500, AC016830, AC006241, AC005102, AL031284,
					AC000052, AC005971, AC004216, AL049709, AC004000, AC005747, AC005375, AC008372,
	•				AC002477, AB023048, AC003664, AC004448, AL117338, U91323, AL020997, AL133163,
					L78810, AC008012, AC006130, Z86090, AC005280, AL035398, AL049653, AF196969,
					AC004253, AC005736, AC005919, AF019413, AL024508, AC006441, AL008720, AC002059,
					AC009399, AL023807, Z84487, AC005015, AF111168, AC006509, AC006121, Z95152,
					AC004801, AC004134, AL034420, Z83843, AC009247, AC001228, AL049775, AF190465,
					AC004832, AC007298, AF001548, AC004810, AC002312, AC007325, AC004791, AC004106,
					AL035683, AL021707, AL031683, AC004672, M63796, AC002476, AC004938, AC007312,
					AL050307, AL031659, AL022238, AL050341, AJ238093, AL022322, AP000511, AF196972,
					AC005057, AC009464, AF217403, AC003687, AC000394, AL031657, AC004812, AP000032,
	6				AC006023, AC004019, AC005808, AL049636, AC002351, U07563, AL008707, AL079304,
					AC005288, AL031311, AL121658, AL031005, AL034429, AC003108, AP000089, AP000142,
					AL022316, AC007364, AC006539, AC004887, Z83826, AC002094, AC005049, AC006360,
			ŧ.		AL035400, AC002126, AC004526, AC004033, AL049766, AC005037, AC006362, AC004491,
			-		AD001527, Z99128, D87675, Z98304, AC006285, AC002996, Z84469, AF048729, AC003101,
					AL109627, AL049911, AL008719, AC006947, AC007308, Z93244, AC003025, AC006455,
					AC000134, AC004878, U62317, AC005180, AC004985, AF001549, AC006552, Z83844,
				*	AC006480, AF111169, AC008273, AF207550, Z83856, AL050318, AC007263, AC006312,
					AL079342, AP000961, AC000120, AC005800, AC005089, AC007878, AC005229, AC004996,
	,				AC004223, AC003663, AC007201, AC006344, AL031228, AL133245, AF139813, AF205588,
		,			AC004821, Z97053, AC002470, AF047825, AC004655, U91326, U80460, AC005520, Z98752,
			,		AF111170, AC003982, AF030453, AC004510, Z96258, AC004222, AC005839, AP000502,
					ACU02652, AF 1967/9, ACU03690, ACU04386, AP000104, U95090, ACU02306, AL096767,

AC006530, AL031774, D63507, AC004131, AC002302, AC007056, AF108083, AC004962, AF086394, AL031230, AL117337, AC005670, AL035413, AL031447, AF024533, AC002044, AC007566, AJ246003, Z84480, AC007934, AC006026, AC005071, AL031427, AC002565, AC009248, AL109657, AL121653, AL023575, AC005399, and AC003103.			H81012, H86221, AA018923, R64467, M87891, U14684, AL034429, AC004938, AC007376,	AC004188, AC006480, U14701, AL022316, AC002477, AC005527, AC002416, Y14768,	AC005620, AC005197, AC005907, AC000052, AL020993, AC002375, AC007055, AC006538,	AP000505, AP000516, AC007707, U91629, AC004797, AC006263, AC005488, AC005914,	Z82201, AC005529; AC005911, AC005410, AC007666, AC004019, AF111168, AF129756,	AC005399, AC006449, AL139054, AL035587, AC005632, AP000512, AC005746, AC002310,	Z74739, AC006511, AL023803, AC005667, AF001975, AC005753, AC004678, AL022237,	AC002303, AL034420, AL021578, AL133448, AP001065, AL031311, AF053356, AC003043,	AP000065, AC005971, AP000354, AF045555, AC004859, AC002551, AL118497, AC005003,	AF134726, AC000405, AF165926, AL035086, AC005841, AL133163, AL050321, AL035405,	U12387, AC007686, AC008015, AC005722, Z95114, AB014087, AL049766, AL020997,	AL031447, AF001549, AL096677, AC006211, AC005777, AC005288, AL050308, AP000555,	AC005409, AC005088, AC002104, AC004491, Z97055, AC007011, AC006077, AC002470,	AF111169, M87898, AC004686, AC000025, AL031985, AL034423, AC006441, AL121603,	AC002492, AC004190, AC005037, Z98941, AC003663, AC004671, AP000503, AC004659,	AC005682, AL008718, AF037338, AL031662, AC005619, Z81365, AL022326, L78833,	AC006064, AC005954, Z97876, AC006130, and AC005486.	Z94044, AC005480, AC006388, and AL022316.		AA305339, AL121572, and AL022341.	AW297855, AA932284, AI911033, AI540093, AW105017, AA829228, AA814442, and AA768919.		AP000096, and AP000240.	F37223, AW419118, F31799, AI446638, F23274, H64560, AI791610, AI867044, AW023672,	AA381762, AA299115, AA548087, AI223616, AI287485, AW078552, AI053465, AI918421,	AA399158, C06471, AI679713, H04867, AW130254, AA086236, AA469451, AW341903,	AI439269, AI151261, N25303, AW129694, AI635274, AI679139, AI338426, AW302013,	AI240891, AW152111, AI285696, M77950, AA913549, AW057776, AL044858, AA584489,	AL138421, AI565873, R94974, AA609841, T47280, N58729, AA229444, AL039187, AA913114, A A 302732 A 1939465 A A 527606 A A 527716 A W 130535 N20066 A WORS801 A 1110688	מיייים מוליים מוליים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים מייים
	15 - 378	15 - 108	15 - 333																•	15 - 338	15 - 463	15 - 304	15 - 254	15 - 249	15-114	15 - 221						
	1 - 364	1 - 94	1-319																	1 - 324	1 - 449	1 - 290	1 - 240	1-235	1 - 100	1 - 207						
	579058	935769	990058																	615410	576573	653118	601816	578715	745184	578702						
	557	558	559																	999	195	295	595	564	595	999						
_	HCUEB62	HCUEC06	HCUEC78	-																HCUED04	HCUED66	HCUEE04	HCUEE29	HCUEE41	HCUEE63	HCUEE66						

WO 01/57182

			· · · · · · · · · · · · · · · · · · ·	·	
AA230143, A1469968, AW273469, A1753365, AA573540, N35896, A1888752, A1821044, AW192199, H47540, A1732239, A1267356, A1075744, AA757743, AA629702, A1536625, AA329321, H08791, A1821467, A1754023, W90237, R94721, A1124660, A1370270, H71349, AA528390, AA347835, AW085991, H86579, A1932884, A1207584, AA721577, A1570261, AA947837, AA018923, AA012829, AW368401, AA323085, R71981, AA721577, A1570261, A1811460, AA384039, A1539776, AA078483, A1267450, A1201668, A1929796, H96823, AW175641, AW192518, AC0004935, AL096775, AC006571, AL022330, U80017, AL117694, U78308, AC004032, Z99128, AC000030, U40369, AP0000356, AC006001, D87675, AC007451, AC007842, AF070717, A1009173, AC000633, AC002350, L176377, A103339, AC007451, AC007842, AF070717, A1009173, AC000356, AC000356, AC006001, D87675, AC007451, AC007842, AF070717, A1009173, AC000356, AC0000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000356, AC000	AL035411, U02068, AL031005, AP000320, AC004617, AP000251, AL132712, AC005485, AL034430, AL096755, AL049874, AC004895, AL109985, Z72521, AC002369, AC006328, AC007681, AC005911, AC000003, Z94277, AC006561, AL022237, AL135744, AC004258, AC004773, AC006146, M87914, AC005291, AC007543, AL035681, AP000120, AP000167,	AP000052, AL034417, AC005215, AL023577, AC005150, AL022395, AC007919, AC005007, AC007327, AP000502, AF064857, Z93241, AC005040, AC002524, AC006312, AC06062, U73168, AC007227, AP000353, AL022323, AC004383, AC004884, AL121877, AC004384, AC006120, Z98255, AF095725, AC000039, AC005771, AC005759, AC003102, AC007381, AL096707, AC002126, AC007565, AC007501, AC007632, AC002085, AP000142, AF117829,	AP000113, U60274, AC007314, AC006538, AP000090, AF134726, Z83845, AC005516, U07000, Z98050, AC004841, Z95115, AC002565, AL020993, AC008125, AC002564, AL121653, AC003109, AF111168, AC005703, AL049712, AC006544, AC005095, D00591, AC002504, AC005264, AC005209, AC005102, AC005180, Z99943, AC004511, AC004024, AL022324, AC004003, AL035410, AC012599, Y14768, AC00593, AC004152, AC016025, AC007250, AC007050, AC005595, AC004813, A1003147, AC006251, AC005700, AC005700, AC005745	AC005876, AL031846, AL034402, AL022320, AC005280, AL049557, AL078639, AC006543, AC005875, AC007387, AC007695, AC002056, AC004462, AC008134, Z75888, AC0065841, AF003627, AP000143, AF129756, Z83844, AC005255, AC005994, AC005304, AC005914, AC005251, AC007966, AL022318, AL035587, AC009946, Z86061, AC005696, Z80232, AL035659, U47924, AC003041, AL022578, AC004584, AC006013, AC002314, AC007537, AL035415, AC004517, AC005003, Z99497, AC004491, AC004453, AF123462, AP000031,	AC004678, AL021453, AF053356, Z83826, AC004745, Z93942, AC006455, AC005829, AC000379, AC004650, AL031709, AC005670, AL022328, AL035450, Z75887, AL117354, AC005520, AC004230, Z68756, AL021808, AC006515, AL021368, AL031584, AC007207, AL117256, AC007666, AC004838, AC007845, AL021395, AC007308, AC000072, AL031729, AC002470, AP000966, AF079797, AC005328, AC005909, Z83851, AC008062, Y11873, AL109628, AC003688, AC005031, AB017652, Z93783, L77569, AC008273, AC007878, and
				<u></u>	
,					
·	•		-		
				· · · · · · · · · · · · · · · · · · ·	

AA49165 AA46850 AI093122 AA74371 AW08425 AC06166 AL021317 AL021317 AC06167 AC06051 AC06051 AC06051 AC06051 AC06051 AC06051 AC06052 AC06051 AC06052 AC06052 AC06053 AC060539 AC060539	AL03261, AL138421, AL138421, AR36835, AR846935, AW407578, AR713891, AW276435, AL282511, AL138350, AA491862, AL282514, AR38086, AA467820, AW021583, AR0806947, AW801947, AR5184018, AL573955, AR90362, AA526758, AW028493, AW406447, AW0806947, AR469491, AR1919265, AR24563546, AR582636, AR683836, AR181903, AR468830, AR468936, AR468936, AR468936, AR468936, AR468936, AR568363, AR618097, AR6181903, AR468936, AR191926, AR57959, AR570594, AR570795, AR181907, AR181903, AR468830, AR181903, AR468830, AR181903, AR468832, AR181903, AR578941, AR4084034, AR570894, AR4084934, AR4084934, AR408395, AR570894, AR570894, AR570894, AR570894, AR570894, AR570894, AR570894, AR570894, AR570896, AR570896, AR570896, AR570896, AR570896, AR570896, AR570896, AR5708996, AR570896, AR570896, AR5708996, AR5708996, AR570896, AR5708996, AR5708996, AR570996, AR5709996, AR5709996, AR570996, AR570996, AR5709996, AR5709996, AR570996, AR570996, AR5709996, AR5709996, AR570996, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709998, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709997, AR5709998, AR5709998, AR5709997, AR5709998,	
AL034421	AC005412, AC004972, AF039907, AF038667, AL031602, AC006367, AL031283, AC005409, AL034421, AP000512, AF165142, Z84480, AC002316, AF053356, AC005756, AC000379,	

HCUEF90 HCUEG58	568	578714.	1-199	15-213	AC005288, AC004234, and Z93241. AC005913. AF074533 AF030453 and A C005088
HCUEG90	570	578745	1-141	15 - 155	ALUCTOS, ALL ACCOSOGO.
HCUEJSS ICIE 150	571	959552	1-110	15 - 124	
HCUEK37	573	964869	1-320	15 - 340	AA782338.
HCUEL28	574	706456	1 - 289	15 - 303	AL049576, AC006077, AC006312, Z85987, AC005821, AC003663, AC006323, U95739, AC003026, AC011331, AF001549, AF029308, AC003026, AL03807, AL095774, AC005764, AL023807, AL096774, AC005740, and AC005886.
HCUEL91	575	576568	1-119	15-133	
HCUEM23	576	576379	1 - 373	15 - 387	AC006531.
HCUEM35	577	861545	1 - 307	15 - 321	
HCUEM62	578	576575	1 - 248	15 - 262	
HCUEN34	579	706452	1 - 333	15 - 347	
HCUEN58	580	738225	1 - 453	15 - 467	
HCUE017	581	932118	1 - 252	15 - 266	
HCUE030	585	769203	1 - 274	15 - 288	AL039309, AA985145, AA558404, N52501, AI884861, AA657910, T55707, AA904211, H48017,
····				*	AI431513, AI049504, AW341882, AA486819, H86579, AA774006, AA662431, AI800343, AA584756, T02817, H47295, AW089016, AA527109, AA502813, AA018923, AA012829,
					AI583291, AI816136, AW081503, AI471455, AW407388, AA053463, AW117723, AI826857,
					AW392414, AI251576, AI687343, AI306232, AW274191, W63553, AI583466, AI201668, T59930, Baroon, AIACATA, AIGHAR, A. A. A. A. A. A. A. A. A. A. A. A. A.
					K4838U, A13U0/11, A1811041, AA429481, N22393, AA368329, AA399749, AA37/833, AB1011750 AA827383 T74524 AA314110 AA768170 A1638850 AM010064 AA434078
			****	-	M02133, AI801824, AA339789, H86133, AA347867, AW301855, AA767257, AA548692.
					AW148886, AI697383, AI065031, AW029626, AI888050, AW117704, AI417586, AI300818,
					AL041924, AI310992, AA745628, AI267356, AA278496, AA287502, AI267459, AI369925,
					AA535756, AI434365, AA573000, AA374797, R02063, AW009653, AI831172, AA993165,
_					NS9/44, HS3284, AIZ/9417, H73306, AI002863, AI869/97, HS4252, AL041352, AI049680, A A 202078
					AI340151, AA364073, AA374525, R39627, AI872461, AA230146, AA773171, AW162303,
•					AW084173, AA878407, AI459866, AW162047, AA295899, AI277318, AI860535, AW161786,
			7)	AW117915, T51436, AI873627, AC002128, AC006356, AC004685, AL050338, AC004554,

	1				and
AC002091, AC005906, L78833, AL049829, AC005747, AL023799, AL121754, Z82215, AC002091, AC007435, AC00766, AC003604, AC006044, AC004878, AF196970, AL034420, AL022326, AC004033, AL020995, AB011399, AP000355, AC007731, AC005500, AL02470, AL123360, AB016897, AL121923, AC006344, AF024534, AF024533, AL109827, AL05021, AC005086, AC007225, AC005355, AC0062049, AC002160, AC002503, AL109956, AL060318, AC002036, AL050318, AC002036, AC006263, AC004136, AC002563, AC004134, AC00658, AC002039, AL050318, AL022377, AL117351, AC004139, AC005863, AC004134, AC006091, AF107277, AL117351, AC004139, AC00585, AE006889, AC007279, AC007227, AC005874, AF134471, AC004381, Z84466, U92032, AP000658, AC004034, AC006881, Z84966, U92032, AP000658, AC004034, AC008080, Z82986, AL049869, AC004034, AC00434, AC008801, Z82986, AL049869, AC006312, AC004034, AC008801, Z82986, AL049869, AC006312, AC004034, AC00434, AC008801, Z82986, AL049880, AC006312, AC004034, AC00434, AC008802, Z829941, Z97333, Z97334, U62292, AD000812, Z49235, D86995, AC004271, AL109847, AC006801, AC002221, AC002321, AC002321, AC002321, AC002321, AC0063230, AC0063230, AC0063230, AC0063232, AC0063230, AC0063232, AC006323		AW248352, AW249168, and AA628425.		AA129273, AA129373, AI761842, F20339, AW291115, AA485396, AA835966, AW079768, AI287824, AW243878, F32537, AW190297, AI379711, AI828574, AA830626, AI758715, AA464646, AI560298, AA629936, W31910, AA936135, AA810103, AW087812, AI801167,	AI559162, AW087203, AL021407, AL137300, AF019767, AL133104, AC002480, AF030635, and L78810.
	15 - 243	15 - 461	15 - 401	15 - 344	
	1 - 229	1 - 447	1 - 387	1 - 330	
	576551	576524	578713	850090	
	583	584	585	989	
	HCUE031	HCUE041	HCUE062	HCUEO79	

53 AC004967, AC005206, AC005667, and AC005519.	53 AL008718.	56 AW452694, and AA972635.	07	20 AA084609, AI312309, AI678287, AW151848, AA757621, AL037927, AI962030, AI306717, AW084173, A1567076, A 8084020, AW023389, AW07581, AI665031, A	41186233 44825827 44496309 44584655 447475 44584756 4K89135 4W192179	H29914, T67090, Al303008, H40478, AW328027, AA551548, AL078581, AC007199, AC005821,	AC005736, AC005081, AC005722, AC007285, AC005520, AL049301, AL049538, U80017,	AC002477, AC020663, AL031311, AL021453, AC005015, Z69921, AF129756, AC000120,	AC002314, AC006530, Z69653, AP000065, AL035400, AC005519, AP000512, AB001523,	AL117258, AF207550, Z98742, Z99128, AC007225, AC004858, AC006146, AC005696,	AC007386, AL133245, AP000121, AC007686, AP000045, AC007363, AC000041, AC002115,	Z80030, AF000704, AC002530, AC003102, AL049097, AC003037, AC007305	AC005488, AC002059, AC000353, AC004622, U91326, AC004531, Z83856,	AF111167, AC004967, AL022316, AC002544, AC005746, AC004841, AC000118, AF001548,	AC005682, AL049758, AC005220, AC003041, Z93930, AC007327, AC006312, AC004796,	Z93244, AC004685, AC005829, AB003151, L44140, AC004962, AC004659, AC005562	AC007868, AC004408, AL096701, AC005049, AC004019, AC005500, AL023553, AB014079,	AF165926, AL078463, AC009509, AC004477, X64467, AC006026, U63721, AC006120, L77570,	ACU04263, AL009179, 293132, AF111168, AC004491, AC007691, AC006063, AC006063, AF033336, AC006068	ALU22326, 297034, ACUU7731, ACUU1231, ACUU39884, ACUU3982, ACUU3094, ACUU4686, 78384/4 ADUU1058 ACUU0159 ACUU7367 ATU31085 ACUU5417 ATU40843 ACUU538	AL021917, AF045555, AC006077, AL031295, AC003029, AC004383, AC002039, Z81364,	AP000008, AC002492, AP000208, AP000130, AL096791, AC004148, AP000355, AF196969,	AC002312, AL031662, AP000556, AL139054, AC007637, AC006111, AC005387, AC005355,	AC012384, AC005288, AL021546, AC006254, AC007536, AC005031, AL035420, AL022165,	AC004655, AC004583, AC004876, AC005529, AP000044, AL049776, AF003626, AF196971,	Z68284, AC007314, AC006130, AL034420, AP000112, AP000504, AC002299, U62292,	AL109984, AC006285, AC005952, Z84466, AC006141, AL049569, AC004675, AL009181,	AC005237, AC005730, AC005772, AL031282, Z83826, AP000558, AC007384, AL031587,	AC007387, AL050341, AL135744, AC008372, AC006011, AC005618, AP000113, AC000026,	AL136370, AC002034, AC0030314, AC007220, AC002535, U03030, AL001343, AL000034, AC000414, AC004859, Z97056, AL080243, U91321, AC005632, AF006501, AC006101.	
15 - 463	15 - 363	15 - 456	15 - 420	15 - 420	·	***********																									
1 - 449	1 - 349	1 - 442	1 - 406	1 - 406																			-		÷						
913675	881486	751410	579033	960058																	,										
587	588	685	290	165																					_						
HCUEP01	HCUEQ37	HCUEQ56	HCUES29	HCUES34																											

HCUES93 HCUET13 HCUEU20 HCUEU20 HCUEV08 HCUEV17	592 594 595 596 597 598	576498 657258 506339 964857 970780 959670	1 - 415 1 - 160 1 - 269 1 - 274 1 - 340 1 - 1428	15 - 429 15 - 174 15 - 283 15 - 288 15 - 354 15 - 1442	AL03283, AL035086, AC005781, AP000555, AL121603, AL021707, AC007283, AC006344, AL133243, AC007263, AC007263, AC005271, AM790217, AL039500, AL248007, Al078021, AL759999, Al476735, and AC007182. AC004821. AN353854, AC004659, AC004771, AC005914, AC005245, and AC007182. AC007281. AA353854, AC004659, AC004771, AC005914, AC005245, and AC007182. AC007281. AA58439, Z28355, Z30131, Al525556, Al535639, AA585101, Al541374, AA585453, AI557731, A1547039, AI525431, D80253, AI547045817, AI54041052, AL040123, AL040123, AL047134, AL047054, AL041137, AL047136, AL047057, AL040659, AL041057, AL040663, AL041057, AL040119, AL041197, AL047170, AL041194, AL041195, AL040119, AL041197, AL041163, AL041194, AL041195, AL040155, AL041194, AL040659, AL041197, AL040165, AL041197, AL041163, AL040198, AL040185, AL040259, AL040185, AL040259, AL040185, AL041186, AL0418184, AL041813, AL041183, AL041184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04185, AL04185, AL041677, AL04186, AL04188, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL04185, AL0418688, AL041884, AL04184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04184, AL04186, AL04185, AL04186,
\ <u>.</u>					AL039924, D89787, AL037936, AA3659434, AL341510, D80043, AL039360, AL037435, C16300, AL039924, D80227, AL045794, AI535983, AL044125, AA585356, AA174170, D57491, AL079852, AI541307, D80240, AI535660, AI557799, AI546875, AA585440, AI541017, AL043441, AL039150, AI557807, AI541205, AL038821, AL039085, D80134, AL043445, AI541509, AL045211, AL039156, D51423, D55233, AI557238, T24112, T24119,

AL039648, AL039629, AL037726, AL038531, AL039109, AL040992, AL039128, AL044407, AL039386, AL036973, AL045337, A49045, AR062871, AR054109, 144516, AR035224, A94046,	A94054, AR038307, AR038321, I25027, I44515, I26928, I26930, I26927, AR009151, AR027099,	A29109, A32111, AR0685508, AR068550, AR068510, AR068509, A23373, AR068551, 158322, 158323, 191969, A91752, A91751, 128041, A92081, A92080, A92077, A92078, A92079, 107209	107249, A63954, AR009152, AR017907, AR062872, AR062873, A20702, A20700, A43189,	A43188, A84772, A84776, A84773, A84775, A84774, AR067731, AR067732, A58522, A91750,	105430, 105393, A10617, AR028792, A01324, A01323, AR034783, 163120, AR067733	AR064322, AR064323, AR064320, AR064321, A94048, A94061, I85513, A70359, A32110,	A83642, A83643, AR018924, AR018923, A48774, A48775, AR000006, AR015960, AR015961,	AR000007, AR051652, A92666, A92668, I49890, A92667, A92665, AR019094, AR028791,	AR028793, AR003585, A18053, A75888, I70384, A18050, A85308, AR007512, A91754, A44171,	A63067, A51047, A63064, A63072, A49700, AR031375, AR068507, AR068506, I58669, A58521,	A60213, A23334, A60207, A60208, A60111, A23633, 106859, 166487, A02712, A95051,	AR043601, 184554, 184553, E13740, A35536, A35537, I13349, 160241, A11245, 160242, A02135,	A02136, A04663, A04664, A02710, E12615, AR035193, A92133, A07700, A13392, A13393,	166498, 166497, 166496, 166486, AR027100, 128266, 121869, A70040, A10361, AR031374, 108051,	AR038066, A95117, I19525, M28262, A91965, U87250, AR051957, 166494, 166495, AR035975,	AR035977, AR067734, 148927, A25909, AF082186, AJ244004, AJ244005, AJ244003, AR038855,	A98767, A93963, A93964, X68127, AJ243486, AR038762, AR051651, S78798, A98420, A98423,	A98432, A98436, A98417, A98427, AR035974, AR035976, AR035978, A85395, A85476,	Y16359, D78345, AR025207, AR037157, I18371, I44681, A67220, AR008430, AR066482,	A85477, A85396, X83865, AR016495, D34614, A86792, A93936, AJ244007, A93016, A58524,	A58523, 115717, 115718, E03627, A60212, A60209, A60210, A60211, A77094, A77095, A81878,	A64973, 108396, 162368, 100682, A11623, E00609, A11624, A11178, E01007, 108395, X55486,	103331, E14304, AR031488, I13521, I52048, A27396, I44531, E16678, A82653, E16636, A90655,		AA877992, AA593471, AI918419, AI609972, AI305258, T05834, T40388, AW192330, AI623563,	AW089016, A1270476, AA564671, R82650, AA493789, AA947369, A1275183, AW162227,	AI750125, AA502207, AW102811, AI926102, AA482953, AA366601, AI306717, AA601728,	AI521525, AA381762, AA581247, H71738, T95676, AI915293, AI587467, AA613164,	AA779783, AL119247, R92629, AI524540, AA084609, F35097, AA525331, AI537368,	AA595554, AI580707, AI689019, AA228778, AW020150, AA568980, C14480, T54464, A1753365 A A 536040 A C007308 A C007470 A C007546 A C000041 A C007686 784469	AD000812, AP001053, AC004491, AC003663, AC004817, AP000702, AC005225, AC007041,
							-																	15 - 407			· ,.				- <u>-</u>
																								1 - 393				-			
																								750364		Ŷ.					
																								299						-	
																								HCUEV65							

Z99128, AC005924, AC005694, AC006165, AC005037, AL021546, Z95116, AC005620, AP000141, AC007938, AC002126, AC002375, AC007057, AL035587, AC007731, AL049872, AC005102, AC007298, AF060568, AC005666, AC004859, AC003043, AC007011, AC005500, AC005911, AL035072, AF207550, AL034343, AL049764, AC005325, AL121603, AL049694, AP000065, AF053356, AC005911, AL031985, AC006958, AL109801, AL049757, AL049760,	AC002359, AC004985, AC005086, AC005207, AB003151, AC006211, AC005821, AC002115, AC005081, AC002996, AC004953, AL049795, AP000688, AL117694, AL078463, AC004805, AL109628, AC007314, Z95114, AL031432, AB023051, AL049869, AP000300, AC004477,	AC002316, AC000085, AC005206, AL035249, Z81314, AC009510, AC002550, AC005175, AC004560, Z94802, AC004777, AL109963, AC007327, AC005484, AC005480, AF165926, AC004955, AC004551, Z82217, AC006501, AC002400, AC004883, AC002990, AC005005,	AC006111, AC005585, AF196779, AC004079, AC004033, AC005412, AC007226, Z83822, AL009181, Z98257, AC007993, AC007227, AC005752, AC005921, AF038458, AC002425, U80017, AC002094, AC002300, AC004217, AL022238, AC004815, AC018633, AL109952,	AL034429, AL049631, AC007382, Z97352, AC004549, AL031777, AC009464, AC005057, U95090, AC004890, AC007917, AL117354, AF001550, AF111169, AC005667, AC004778,	AC004796, AC0035114, AC004099, AC007690, Z98752, AC0033029, AC006312, AP000032, AL008718, AL031659, AL031680, AC004386, AL096701, AC007199, AC008038, AC004167, AC004922, AP000045, AP000113, AP000116, AL021578, AC003101, AC002544, AL031984,	U78027, AC005011, AC005274, AL049748, L23859, AC005740, AP000512, AC006023, AL122020, AL021155, AL035683, AC004212, AP000311, AC004156, AC005722, Z85986,	AC002119, AC005355, AC006449, AC005913, AC005332, AL133353, AL049843, AC019014, AC005338, AC005051 AC006535, AC006449, AC00596, AC00596, AC00596, AC00506, A	AC006011, AC004526, Z93930, D87675, AC005783, AL022302, AC004876, AC006237,	AL049709, AC006276, AP000143, AP000047, AC004743, AC007225, L78833, AC004263, and AL035422.	AA348602, AI383596, AI798313, AI089178, AA553900, AI,042987, M78032, AI809300, AA857812, AI038324, AI241637, AI347649, AI628922, AA179940, AA657416, AA655005,	AA021139, AI309943, AW438946, AA558366, AA346861, AI474127, AA831426, AI090377, AA594719, AA484892, AI188049, AI192465, AI347478, W76645, AA526542, AA569065,	AI754421, R67701, AA683091, AA350406, R93854, AA215585, AA326452, AW264393,	AAU47049, AA0000031, N47029, AW327032, AA337911, AI003741, AA372921, AI923032, N52323, AA297443, AC002429, AC005907, AL031311, AC005527, AL049636, AC003029,	AC004584, AC000035, AC004966, Z85987, AC005529, AC005535, AC005036, AC004876,	AC002312, AC000023, US2083, AL049872, AC004910, AL031003, 294802, AC003037, AC000092, AC004841, D87675, AC004953, AC006487, AC004056, U73634, AL031295,
		. *								15 - 238			٠		
									*	1 - 224					
	7		·Y·	0						881370					
	-									009		,			
									•	HCUEV82					
			-		1500										